File No PWD 5 GUK 65

MYSORE GOVERNMENT SECRETARIAT

Notes / Correspondence / Collection

Department P.W.D. Section General Irrigation

Subject :— Financial Assistance to Upper Krishna project

Earlier References :—

Later References :— Irrigation 17/1/65 16/4/65.

(Classification A / B / C)

Notes pages.....

Correspondence pages.....19.....

For/Not for Section note Book

To be destroyed after.....1981

Under Secretary to Government.

M. G. S. | Subject: | File No.

WD 01050—GPB—8,00,000 13-12-66

Serial No. Receipt

D.O. letter No.D.5043/OSD(M)/68 dated 13-12-1968 from Shri K.S.S. Murthy, Officer on special Duty, Govt. of India, Ministry of I&P.

NOTE 1

Dictated D.O. letter may issue.

The Under Secretary (T) will collect the information required in the Check List for the Upper Krishna Project. He will get in touch with various officers concerned and prepare the statement of information by 26th Dec.1968 and put up to me through the Joint Secretary on that date. I suggest that a copy of the check list should be sent to the Chief Engineer, Irrigation (North) who is in charge of this project asking him to furnish the information by 24th of this month. The letter should be posted to-day. If need be he may be contacted over telephone and request made to collect the information and furnish to us as quickly as possible but before 24th of this month.

Chandappa 17/12

CHANDAPPA PATEL,
Secy. P.W.D. & Hlscy. Engg.

U.S(T)

NOTE 2

Letter dictated to CE(N) calling for the particulars may come.

Sl. No2 & No3

ISSUED
Dated 17/12/68

17/12

18/12

NOTE 3

Sl.No4 — Do. DMP 1051/68 dt 16-12-68 from the Development Commissioner.

Sl No5 Reply dictated by Sec DMD may come

Subject:	File No.	M. G. S.

Sl. No 6-7

Do. letters addressed to Director of Agriculture and Divisional Commissioners, Gulbarga calling for similar particulars may also come.

NOTE 4

24
19/12

File submitted to C(T) for kind perusal of the letter at Pg. 4.

ISSUED
Dated 18/12/68 ch

C(T)

24
19/12

NOTE 5

Please entrust this work to some body to see that the information asked for is sent positively within the stipulated time. We should not loose this opportunity by default

V. Patil
19/12.
(VEERENDRA PATIL)
Chief Minister.

Chief Min.
No. 4390 Date 19/12/68

Secy. PWD.
No 8996 Date 29/12
D/4

Sec'y P/W&E)

Perused
U/S(T)
28/12

Sl. No 9 NOTE 6

24/12/68

Telegram dictated may issue

Sl No 8 — CE.(N) — UKD|T 21|[illegible] dt| 20-12-68
Sl No 10 — CE(N) UKD| 21| [illegible] dt| 22-12-68
Sl No 11 — Telegram dated 28-12-68 to CE(N)
Sl No 12 — Telegram dated 31-12-68 to IND. GOI.

24
26/12

26/12/68 ch

M. G. S. | Subject: | File No.

Sl No 18
UKP | 21 | Pamphlet
a| 8-1-69
Sum Cell(N)

NOTE 7

It was suggested by the Government of India to furnish a note regarding the Upper Krishna Project Stage-I for being posed to the I.D.A. for financial assistance. A detailed note based on the requirements for this purpose has now been furnished by the Chief Engineer, Irrigation North.

The Upper Krishna Project Stage-I to irrigate 6 lakh acres in Bijapur and Gulbarga districts was approved by the Government of India in September, 1963 at a cost of Rs.58 crores. Subsequently in February 1968, the Chief Engineer, Irrigation North, furnished modified proposals for the Upper Krishna Project providing for a larger extent of irrigation under this project. The modified proposals for Upper Krishna Project Stage-I as furnished by the Chief Engineer were accepted by the Government and these proposals provide for irrigating 10.1 lakh acres by flow in Bijapur and Gulbarga districts at an estimated cost of Rs.75 crores at 1963 rates. The utilisation of waters in these modified proposals was 113 T.M.Cft., as against 106 T.M.Cft. provided in the project approved by the Government of India in 1963.

The note now submitted by the Chief Engineer, Irrigation North, has been prepared by him covering all the points in the check list, accompanying the letter from the Government of India.

WD 01050—GPB—8,00,000 13-12-65

The note is presented in two parts - Volume I and Volume II dealing with the Engineering part of the work, and Volume III, the Agricultural part. The Engineering part of the note covers the engineering part of works which provide for an irrigation of 10.1 lakh acres by flow. The major components of civil engineering works are basically the same as proposed by him in his report on the modified proposals approved by Government in February 1968. But the crop pattern in this interim first stage has been slightly modified by the Chief Engineer in consultation with the Director of Agriculture, Mysore State, so as to maximise benefits from agricultural produce with the limited storages available in the first stage. Therefore, the cropping pattern proposes a larger area in the khariff season. In the ultimate stage, after the Almatti Reservoir comes into operation, the cropping pattern would be slightly modified so as to equalise the canal flows in the khariff and rabi seasons. The Chief Engineer, for the same reason, has also reduced paddy crop to 2½% and has eliminated sugarcane in the first stage.

The total estimated cost of the Engineering side works out to about Rs.104 crores as against Rs.58 crores originally sanctioned. The cost per acre of irrigable command comes to about Rs.1,000 as against Rs.1,030 previously. The cost per acre of cropped area now works out to Rs.715

as against Rs.1,000 previously. It is seen that under the present proposals the cost of the irrigable command has almost remained the same while that per acre of irrigated area has materially reduced. This is, inspite of the fact that the estimate now submitted by him is at the prevailing rates which are substantially higher than the rates prevailing in 1963.

As regards the financial side of the project, it is seen that the Benefit - Cost ratio on the basis of 6% interest is 7.2 and at 8% interest is 5.07 and at 10% it is 3.79.

The financial return of the sum-at-charge at the eleventh year, when the full development of 10.1 lakh acres is proposed to be completed, works out to 0.56% if interest is considered at 6% and 0.63% if the interest is taken at 4%.

The water requirements for the present proposal also remain at 103 T.M.Cft.

The note covering the points on the agricultural side of the project of development have been got prepared by the Chief Engineer, Irrigation North, by local agricultural officers at Dharwar, under the direction of the Director of Agriculture, who has also been personally consulted by the Chief Engineer, Irrigation North.

Subject : **File No.** **M. G. S.**

WD 01050—GPB—8,00,000 13-12-65

The note in 12 copies ~~as desired on Upper Krishna~~, as received from the Chief Engineer, will be forwarded to the Government of India. Since it has been intimated that the I.D.A. will have discussions at New Delhi from the 6th instant itself and there is very short time left, it is proposed to depute Sri B.C. Angadi, Superintending Engineer of the Office of the Chief Engineer, Irrigation North, along with the note, to Delhi and hand them over to the Ministry of Irrigation and, if necessary, explain the whole thing to the Government of India officers.

A

A draft letter enclosing copies of the notes addressed to the Government of India is placed ~~at below~~ ~~page~~ .. is for perusal and approval.

B

(S.K. MOHAN)
Under Secretary to Government,
Public Works Department (Tech.)

'A&D' may kindly be affd

JOINT SECRETARY, P.W.D.

Note at B 3/1

CHIEF MINISTER

D/s(T) & D/s(J) ✓ Note at B 3/1

Note at B 3/1

ISSUED
Dated 4/1/69

R No. 15

M. G. S. | Subject: | File No.

NOTE NO 11

For some of necessary orders regarding the journey of Sri. Sc. Bagchi to Delhi referred in Note 7. & return of this file.

US (Services DTS)

This may be referred to Typing Pool to make available the extract Rules from "A to A. of the same.

R. 7/1

(2nd Typist Typing)

PWD (Ser-A) No 120 Date 7/11

NOTE 12

Please see Srl. 16-19 Kept below. The Govt. of India have intimated that the World Bank Team will be visiting Upper Krishna Project between 26th & 28th January. Necessary telegraphic instructions have already been issued to the SE/ Belgaum and Upper Krishna Project for making necessary arrangement for their accomodation. A draft letter is enclosed to the CE(N) and the Director of Agriculture

Subject: | **File No.** | **M. G. S.**

WD 01050—GPB—8,00,000 13-12-65

to meet the team and discuss all the technical & agricultural aspects in planned in appn.

DS
~~JS~~
team

13/1 NOTE 13

A file issue in this may be submitted We can. for information.

13/1

13/1

ISSUED
Dated...13/1/69...

R. No 20—22

For kind perusal & NOTE 14 NOTES 12-13 above.

See PW
~~Dy. Secy~~ Comm
CM

Chandigarh 13/1

13/1

Chief Min. No. 230 Date 13/1/69.

Y. B. Rao 13/1

13/1

(VEERENDRA PATIL)
Chief Minister.

Secy. PWE Date 15.1 966.

13/1

18.1.69

Secy PWE

M. G. S. | Subject: | File No.

PWD 8/Gf-69.

S. Nos 1, 2 & 3 Receipts.

NOTE :-

For kind perusal of S.Nos 1-3. The main file bearing No PWD 5 Buk 65 has been referred to U-S Services (A & B) on 6.1.69. The U.S. (Services) may kindly see and return the file urgently.

~~Off~~
9/1/69

May be reported to U.S. (Services) for Return of the file urgently

PWD (Gl. Irrgn). No 1(4) Date 13/1

186 10/1

Rec'd 4 Bks 10/1/69

10/1

Sd/- 9.1.69, US(Services)

Sd/- 9/1
S. K. MOHAN,
Under Secy., P.W.D. (Tech.)

Ok. File No PWD 5 Buk 65 is placed below. With reference to the above note and this may be referred to U/S (Tech)

10/1

U/S Tech) Sd/- 10/1

N. C. NARAYANASWAMI RAO,
Under Secy., PWD (Ser. A&B)

99)
Sri. CK
10/1

Sd/- 13/1

Subject :	File No.	M. G. S.

WD 01050—GPB—8,00,000 13-12-65

D.No 208/HI/65.

Noted

The letter of the SE is for Perusal. As per orders, draft letter forwarding the papers to CE (N) is put up for appn.

CK
15/1/66

15/1

Dated.....17/1/66 ekj

CM U/O 19/69 (Encl-1) /65-66

OFFICE OF THE CHIEF MINISTER

NOTE

Dated Jan. 6, 1969.

Note 17

The letter No.4702-DPM/68 dated Dec.18, 1968 addressed to the Chief Minister by Shri Morarji Desai, Deputy Prime Minister of India, regarding Upper Krishna Project is placed below. The Chief Minister desires that a draft reply on the suggestion made by the Deputy Prime Minister may be furnished to him immediately. The letter may also be returned along with the draft reply.

(J.C.LYNN)
Private Secretary to the
Chief Minister.

Secy. to Govt.,
P.W.D.

***

Note - 18

The Connected Pps are linked herewith. The D.O letter from the Dy Prime Minister of India at S.No 2 and the letter of the CE (N) at S.No 3 are submitted herewith w.r.t. Note No 17 above.

18/1/69

18/1

And/

S. & I. SECTION
P.W.D.
No. 1032
Date 8 JAN 1969

PWD (Gl. Irrgn).
No 111 Date 8.1.69

Please see the letter of the Chief Engineer at Sl.No.29. The programme chalked out by him for the visit of the world Bank Mission enclosed by him may also be seen. The enclosure stated to have not been received by him may be sent to him. Further, the latest communication from the Government of India dated 13-1-1969 placed below may also be sent. It has been requested therein that a detailed note indicating the discussions held with the Mission and the points raised by them along with the materials furnished to them may be sent to the Government of India. A copy of this letter will be sent to the Chief Engineer for necessary action. Draft in this regard is placed below for perusal and approval.

The letter from the Deputy Prime Minister to the Chief Minister which is in reply to our letter dated 26th November 1968, may please be seen. It has been stated therein that even if the World Bank agrees to furnish a loan or assistance to the Upper-Krishna Project, it will form a part of the normal Plan assistance to the State. In this regard it will have to be stated that some time back we had intimated to the Government of India that mighty projects like Upper-Krishna cannot be financed by any single State and they should be taken up as National Schemes. A d raft reply to the Deputy Prime-Minister on the above lines is placed below

M. G. S.	Subject:	File No.

for kind perusal and approval.

Jt. Secy. PWD
No. 334 Date. 21/1

~~DS~~ T
Jt Secy P.W.D)
Secy

G. V. VENKATA RAMU,
Jt. Secy. P.W. & Elec. Depts.

M. SHANMUGAPPA,

Note 19

The draft letter addressed to M/s [illegible] as attached may in first instance. C.E may be requested give us a detailed note about the tour impressions of the Team, which will be in air plane on which the reply to Ay. P.M. should reach—

Chandrappa
23/1

NS T

Secy. PWD.
Dis 453. Dated 21/1

ISSUED
Dated 23/1/69

Subject: File No. M. G. S.

WD 01050—GPB—8,00,000 13-12-65

S.No 34. Receipt. letter from CE (NS)

—20—

The Report of the CE (NS) at SNO 34 may kindly be perused w.r.w orders at Note 19 ante. The CE has reported that the I.D.A Mission visited the WKP area from 26th to 28th Jan 1969 and that the Mission raised certain points during the inspection of the project and at the Meeting on the 26th, 27th and 29th. The CE has furnished copies of points raised and clarifications given to them, which may kindly be perused. One of the important points is about providing adequate allocations of grants for the WKP by the State Govt. The CE has indicated that the State Govt may provide Rs 3 Crores for the next financial year and requested to take necessary action in the matter. As regards point-2. ie the mode of settlement Contribution in order to recover the entire investment, further particulars from CE (NS) may be awaited. Regarding the break up of the total number of land holdings in brackets of 0 to 5 acres, 5-10 acres etc upto 200 acres, the receipt of further particulars, as promised may be awaited.

The Report of the CE and the enclosures are submitted for perusal and orders w.r.w Note 19 ante.

11/2/69

M. G. S. | Subject: | File No.

It can be seen from the Report of the CE. that IDA Mission which visited the UKP recently were greatly impressed with the project. Further it may be also seen that the Mission have suggested that the water rates to be levied should cover the operation expenses and also that the capital investment on the project should also be recovered substantially from the beneficiaries. These two suggestions are of great interest. If our projects are to make any headway, it is desirable that the water rates and betterment contribution are enhanced.

It may also be seen that the CE has proposed an investment at the rate of Rs 20 crores annually for the completion of the project in Ten years.

Sri. K.S.S. Murthy OSD Govt of India had requested for furnishing a copy of the note on discussions held with the IDA for information of GOI. & CWDC. A copy of the note received from the CE. will be forwarded to GOI. A draft is placed below.

DS)

4/

Subject:	File No.	M. G. S.

WD 01050—GPB—8,00,000 13-12-65

Secy. PWD.
No 1198. Date 13/2

Also discussed with Secy. PWD. — letter to Secy. GOI. may be placed before him for perusal & return.

Secy/PWD Note 21 4/2/69

The Dev. Comr. desired that a letter be addressed to the Secy to GOI, Ministry of IP requesting him to use his good offices with the World Bank Team to accept our scheme for World Bank assistance.

The draft put up may kindly be issued on his signature.

Chandappa

CHANDAPPA PATEL
Secy. P. W. & Elecy. Dept.

Dev. Comr. & Spl. Secy
No. E:340
15/2/69

Dev. Com Note 22

Please see and return

The letter has been issued (vide Sl No. 35/CF). The papers are resubmitted as desired.
13/2/69

20/2/69

The Comm & Spl Secy

Mysore Government Secretariat

File No.PWD 5 GUK of 1965. [App. F. III 2

Serial No.

Note 23.

Shri B.B.Vohra, Joint Secretary to the Govt of India in the Ministry of Agriculture, was here recently in connection with the meeting of the Steering Committee on Tungabhadra Projedt/IADP. He is the Jt. Secretary in the Ministry of Agriculture, dealing with Projects to be processed for assistance by the IDA.

2. During my informal discussions, he mentioned that the IDA may not take up the Upper Krishna Project for assistance, as the World Bank authorities felt that there was some dispute about the sharing of waters, and that it would not be wise on their part to invest money on a project which may not come up at all. I pointed out to him that the project that we have taken up is one which has had the prior clearance of the Govt of India in the Ministry of Irrigation & Power, and that there is no dispute at all about the water to be impounded in the Upper Krishna Project.

3. To be on the safe side, I have written a letter to the Secretary to the Govt of India, Ministry of Irrigation & Power, New Delhi (Sl.No.35/CF). I have mentioned this to the Minister for Finance. He desired that a letter - as from him to the Deputy Prime Minister may be put up. C.M. may also like to write a letter to the Prime Minister.

4. Draft letters are accordingly placed at serial Nos. 36 and 37 /CF, for consideration.

Dev. Comr. & Spl. Secy No. F 3'4.0 Dt 21/2/69

Chief Min. No.1004 Date 22/2/69

365 22/2

Note 24

G.V.Kilar 21.2.69

Min(Fin) 1. PS to put up fair copy (to D.P.M.)

C. M. 2. CM may please approve the draft letter to D.P.M. and send under his signature

21/2

Note 25

Letters issued & o/cs are sent along with the file.

B.M.Varadhan 24/2/69

Private Secretary to the Minister Finance, Plang. & Youth Welfare

Both have been approved & issued under the signatures of CM. Copies placed in both files.

PA to DPM 26/2/69

(CM) & Dep. Comm.

Note.—Contn. Sheet

Serial No.

NOTE 26

Further action may be pursued.

G.V. Vidya
13.3.69

Secy PWD

13/3/69

NOTE 27

Submitted for further orders.

6/3/69 Please see note 20 ante. This case was discussed with Secy. PWD. on 13-2-69. It was observed that in the note furnished by the CE. on the visit of the IDA. Mission, the CE has indicated that the "doubt created arose by the decision of the Tribunal on the sharing of Krishna-Godavari waters in this regard". It was observed that there was no need to furnish any reply on the above lines. and the entire thing may be reexamined. The note furnished by CE. created in order with the deletion of the statement cited above. This information regarding World Bank Team is to be furnished to GOI. vide our letter dt/ 13.1.69 at Sl.no 30 Pg 8. In view of the recent

WD-010154-GPB-PZS-8,00,000-1-10-61

M. G. S. | Subject: | File No.

A

Jt. Secy. PWD
No. 1035 Date. 11/3

Secy. PWD.
No 2015 Date 11.3

letters from the CE & PD to the PD and Deputy PD on this subject. as may similar further communication from GOI. and may not hesitate the notes are received from the CE Division Regarding the World Bank Team to GOI immediately

DO7
~~If Secy's OK~~
Secy

NOTE 28

10/3/69

'A' can be agreed to.

G. V. VENKATA RAMU,
Jt. Secy. P.W. & Elec. Dept.

NOTE 29

I have no objection in
in above suggestion
- the letter could
have been worded
a little differently

CA
12/3

14/3

Further Communication from G.O.I. may be awaited.

13/3/69
13/3

(P.T.O)

13/3

Subject:

File No. WD 5 GWK 69 **M.G. S.**

WD 01050—GPB—8,00,000 18-10-65

Serial No:38 (Receipt: D.O.letter No.924-DPM/69 dated the 6th March 1969 from the Deputy Prime Minister of India to the Min.for Finance & plng, Govt of Mysore, Bangalore.

Dev. Comr. & Spl. Secy No. F-6644 22.3.69

Minute of Min(Fin.) (Note 30)

"Development Commissioner
to please speak.

(Sd)Ramakrishna Hegde
10.3.1969 "

Min. Fin. & Youth Affairs. No.517 Dated 24/3

NOTE 31

Discussed with the Minister for Finance & Planning on 21.3.1969.

2. A draft reply, as from the Min.(Fin.& Plng) to the Dy Prime Minister of India, is put up at Sl.No.39/CF for consideration.

G.V. Nilay

Min(Fin.& Plng)

22.3.69

afld.

Is to put up fair copy

24/3

RAMAKRISHNA HEGDE,
Min. for Fin. & Youth Affairs.

CM may kindly see

24/3

RAMAKRISHNA HEGDE,
Min. for Fin. & Youth Affairs.

Letter issued in this Office on 25/3/69

25/3/69

Cy. V. Sahai 25/3

Chief Min. No.1678 Dtd 25/3/69

F.M.

26/3

RAMAKRISHNA HEGDE,
Min. for Fin. & Youth Affairs.

517

Letter to D.P.M., & file returned to Dev. Commr.

Private Secretary to 26/3/69

M. G. S.	Subject:	File No.

G.V.K. Rao
07/3

CE
3073

Secy PWD

31/3/69

F-664

4
1/4

Secy. PWD.
No 2751 Date 28/3

Further particulars received from the Director of Agriculture and the CE. I.I (N) are placed below for kind perusal and orders.

9/4/69

Wair.

Knnk
9.4.69

4
9/4

S. No 40. Copy of letter from P.M.

Secy. PWD.
No 3430 Date 16/4

For kind perusal of Srno 40 & 40-A.

14/4/69

DS
Incharge

4
19/4

Knnk
16.4

15/4/69

1739 18/4

Record-B'

18/4/69

Ch
16/4/69

4
19/4

J.C.LYNN
Private Secretary to the Chief Minister,

Sms 40

CM II 1165/69 (Sec.I-1)

VIDHANA SOUDHA,

Bangalore-1, dated April 9, 1969.

The Private Secretary to the
Prime Minister,
Prime Minister's Secretariat,
New Delhi.

Sir,

The Chief Minister has perused the Prime Minister's letter No.605-PMH/69 dated 5th April, 1969 regarding sponsoring of the Upper Krishna Project for assistance from the World Bank.

R. & I. SECTION
P. W. & E. D.
No. 7470
11 APR 19
Section Q
1644

Yours faithfully,

Sd/-

(J.C. LYNN)
Private Secretary to the
Chief Minister.

Copy together with the letter under reference to the Secretary to Government, P.W.D.

Private Secretary to the
Chief Minister.

BRG:

Sr. 40-A

Copy of D.O.letter No.605-PMH/69 dated 5-4-69 from Smt. Indira Gandhi, Prime Minister, India, New Delhi, to Shri Veerendra Patil, Chief Minister, Mysore, Bangalore.

Dear Patilji,

You wrote to me on the 23rd February, regarding the sponsoring of the Upper Krishna Project for assistance from the World Bank.

I understand that the IDA Reconnaissance Mission were given the full facts about the Upper Krishna Project as furnished by the State Government themselves and were also told that the Centre had approved Stage I of the Project. When the Leader of the Reconnaissance Mission asked for a legally valid and binding agreement between the concerned States, his attention was drawn to Hafizji's statement in Parliament in March 1963. It was clarified that the Upper Krishna Project as sanctioned by the Centre was within the area of agreement. There is thus no basis for misapprehension that any wrong impression was conveyed to the IDA Mission on the present status of the Project.

With kind regards,

/ copy /

SM039

RDDS Guk 61

March 25, 1969

My dear

Thank you for your kind letter No 924-DPM/69 dated the 6th March 1969 regarding the Upper Krishna Project.

2. The Upper Krishna Project - Stage I - has been examined by the Central Water & Power Commission, and cleared by them. After the matter was examined in detail, the Planning Commission accepted it for inclusion in the Third Plan in their letter No 2(10)/63-300 dated the 30th December 1963. It was only after these steps were taken, that the foundation stone for the Project was laid by the late Prime Minister, Shri Lal Bahadur Shastri. It is also included in the Fourth Plan; but our difficulty is that, out of the meagre resources that we have, it is extremely difficult for us to provide sufficient allocation for this Project in the Fourth Plan.

3. The Project will provide irrigation facilities to the scarcity-affected areas in Bijapur, Gulbarga and Raichur districts. Considering the size and cost of the Project, we have requested that it may be sponsored by the Government of India for assistance by the World Bank/IDA. An impression appears to have been created that, as there is a dispute about the sharing of the Krishna River waters, the World Bank/IDA may find it difficult to finance it. The facts are that there is no dispute about the Upper Krishna Project Stage I, and I request your good offices kindly to see that justice is done to Mysore State.

4. Both the Chief Minister and I will be in Delhi during the month of April in connection with the meetings of the..

Phys 5 Guk 65

of the National Development Council, and we could discuss it at that time.

With kind regards,

Yours sincerely,

(Jawaharlal Nehru)

Shri Morarji R. Desai,
Dy. Prime Minister of India,
New Delhi.

SR No. 39

DO:No. Dated March 1969.

My dear Morarjibhai,

°SR:No.38/CF Thank you for your letter No.924-DPM/69 dated the 6th March 1969, regarding the Upper Krishna Project.

2. The Upper Krishna Project - Stage I - has been examined by the Central Water & Power Commission, and cleared by them. After the matter was examined in detail, the Planning Commission accepted it for inclusion in the Third Plan in their letter No.2(10)/63-100 dated the 28th December 1963. It was only after these steps were taken, that the foundation stone for the Project was laid by the late Prime Minister, Shri Lal Bahadur Shastri. It is also included in the Fourth Plan; but our difficulty is that, out of the meagre resources that we have, it is extrmely difficult for us to provide sufficient allocation for this Project in the Fourth Plan.

3. The Project will provide irrigation facilities to the scarcity-affected areas in Bijapur, Gulbarga and Raichur districts. Considering the size and cost of the Project, we have requested that it may be sponsored by the Govt of India for assistance by the World Bank/IDA. An impression appears to have been created that, as there is a dispute about the sharing of the Krishna River waters, the World Bank/IDA may find it difficult to finance it. The facts are that there is no dispute about the Upper Krishna Project Stage I, and I request your good offices kindly to see that justice is done to Mysore State.

4. Both the Chief Minister and I will be in

Delhi during the month of April in connection with the meetings of the National Development Council, and we could discuss it at that time.

With kind regards,

Yours sincerely,

(RAMAKRISHNA HEGDE)

Shri Morarji R. Desai,
Deputy Prime Minister of India,
Government of India,
NEW DELHI.

Sl No. 38

924-PM/69

DEPUTY PRIME MINISTER
INDIA
NEW DELHI

6th March 1969

My dear Hegde,

Please refer to your letter No. T.80/69 dated the 22nd February 1969 regarding Upper Krishna Project in Mysore. As you are aware the Fourth Five Year Plan of the Mysore State is still under discussion and the list of the Irrigation & Power Projects to be included in the Plan has also not yet been finalised. The question of sponsoring the Upper Krishna Project for financial aid from the I.D.A. would not arise until the Project has been cleared by the Planning Commission and the same has been included in the State Plan.

Yours sincerely,

Morarji Desai

(Morarji Desai)

Shri Ramakrishna Hegde,
Minister for Finance,
Planning and Youth Welfare,
Vidhana Soudha,
Bangalore-1

SR M. 36

T. 80/69

Minister for Finance,
Planning and Youth Welfare

VIDHANA SOUDHA,
BANGALORE-1.

February 22,1969

My Dear Morarji bhai,

The area under irrigation in Mysore State is less than ten per cent, and large areas of the State are frequently affected by Scarcity conditions. We have been making attempts to increase the area under irrigation by taking up irrigation projects. We have not been able to make much progress, mainly because of lack of sufficient resources. One of the projects that we have is the Upper Krishna Project, which will irrigate the Scarcity affected areas in Bijapur, Gulbarga and Raichur districts.

2. It is understood that the Government of India is sponsoring some irrigation projects for assistance by the International Development Association, in the light of the discussions which were recently held with Mr. Robert Macnamara, President of the World Bank, during his visit to India. The World Bank/IDA Irrigation Reconnaissance Mission visited the Upper Krishna Project area from the 26th to 28th January 1969. The Mission inspected the project area and also held discussions with the Engineering and Agricultural Officers of the State. The Mission was fully satisfied about the project report and the detailed study that had been made regarding both the Agricultural and Engineering aspects. They were most favourably impressed by the Project.

3. Even so, an unfortunate impression appears to have been created by some interested parties, that there is a dispute about the Krishna Waters between the States of Mysore and Andhra Pradesh. The dispute is about the final allocations of water in the rivers; but so far as the Upper Krishna Project is concerned, it will utilise only 103 T.M. Cft.

This has

This has been cleared both by the Central Water and Power Commission and the Ministry of Irrigation and Power. The Government of Andhra Pradesh have also no objection to the taking up of this Project.

4. In the light of these undisputed facts, I seek your assistance in seeing that the Upper Krishna Project is sponsored for financial aid from the IDA. If this is done, a really worthwhile project would be enabled to go ahead, and may considerably assist the Scarcity affected areas in Mysore State.

With kind regards,

Yours sincerely,

RnH

(Ramakrishna Hegde)

Shri Morarji R. Desai
Deputy Prime Minister of India
Government of India
NEW DELHI.

SE. No. 37

DO: No. CM I 774/69- Dated February 23 1969.

My dear Prime Minister,

CM I 774/69
23.2.69

As you are aware, large areas of Mysore State are frequently affected by Scarcity conditions. The area having assured irrigation in Mysore State is less than ten per cent. We have been giving considerable attention to the construction of major and medium irrigation projects in our Plan programmes. Even so, we have not been able to do as much as we would like to, mainly because of financial difficulties.

2. One of the most important projects that we have taken up is the Upper Krishna Project. The foundation stone for this project was laid by your illustrious predecessor, the late Shri Lal Bahadur Shastri. The scheme was undertaken after it was fully investigated by the Central Water and Power Commission, the Planning Commission, and was cleared by the Ministry of Irrigation and Power. We have not been able to proceed with the Project at full speed, only because of lack of resources. In view of this, this project was suggested for assistance by the World Bank/IDA. The World Bank/IDA Irrigation Reconnaissance Mission visited the Upper Krishna Project area from the 26th to 29th January 1969. They inspected the project area and also held discussions with the Engineering and Agricultural officers of the State. They were fully satisfied with the project and the detailed studies that had been made. I understand that Mr. Robert Macnamara, President of the World Bank, during his recent visit to India, was inclined to consider favourably irrigation projects for assistance by the IDA.

3. In spite of the fact that the Upper Krishna Project has been cleared by all agencies of the Govt of India, an unfortunate impression appears to have been

created by some interested parties that there is a dispute about the sharing of the Krishna waters between the States of Mysore and Andhra Pradesh. In view of this, a feeling appears to have been created in the minds of the IDA authorities that it will not be advisable to take up projects which are likely to remain infructuous. This impression is far from the truth - particularly insofar as the Upper Krishna Project is concerned. As I have already mentioned, the foundation stone of this project was laid by the late Prime Minister after the project had been cleared by the Central Water and Power Commission, the Planning Commission and the Government of India. It is already a Plan scheme. The Govt of Andhra Pradesh also have no objection to the Upper Krishna Project, which impounds only 103 T.M. Cft. In view of these facts, I was somewhat surprised that an improper impression should have been created in the minds of the IDA Irrigation Reconnaissance Mission.

4. The State of Mysore has suffered considerably because the quantum of Central investment in this State has been extremely low, compared to many other favourably placed States. We are also not getting sufficient Central assistance for our Fourth Plan, about which I will mention to you separately. In these circumstances, I request you kindly to intervene on our behalf, and to see that the Upper Krishna Project - about which there is no doubt at all - is sponsored for financial aid from the IDA.

With kind regards,

Yours sincerely,

(VEERENDRA PATIL)

Smt. Indira Gandhi,
Prime Minister of India,
Govt of India,
NEW DELHI.

21/2/69

SK No 36 T.Sa/67.

DO:No. - - - Dated February 22/

Mysore State is less than ten per cent, and large areas of the State are frequently affected by Scarcity conditions. We have been making attempts to increase the area under irrigation by taking up irrigation projects. We have not been able to make much progress, mainly because of lack of sufficient resources. One of the projects that we have is the Upper Krishna Project, which will irrigate the Scarcity affected areas in Bijapur, Gulbarga and Raichur districts.

2. It is understood that the Govt of India is sponsoring some irrigation projects for assistance by the International Development Association, in the light of the discussions which were recently held with Mr. Robert Macnamara, President of the World Bank, during his visit to India. The World Bank/IDA Irrigation Reconnaissance Mission visited the Upper Krishna Project area from the 26th to 28th January 1968. The Mission inspected the project area and also held discussions with the Engineering and Agricultural officers of the State. The Mission was fully satisfied about the project report and the detailed study that had been made regarding both the Agricultural and Engineering aspects. They were most favourably impressed by the Project.

3. Even so, an unfortunate impression appears to have been created by some interested parties, that there is a dispute about the Krishna waters between the States of Mysore and Andhra Pradesh. The dispute is about the final allocations of water in the rivers; but so far as the Upper Krishna Project is concerned, it will utilise only 103 T.M. Cft. This has been

cleared both by the Central Water and Power Commission and the Ministry of Irrigation and Power. The Govt of Andhra Pradesh have also no objection to the taking up of this Project.

4. In the light of these facts, I seek your assistance in seeing that the Upper Krishna Project is sponsored for financial aid from the IDA. If this is done, a really worthwhile project would be enabled to go ahead, and may considerably assist the Scarcity affected areas in Mysore State.

With kind regards,

Yours sincerely,

Deputy Prime Minister of India,
Government of India,
NEW DELHI.

G.V.K.RAO,
Development Commissioner,
Commissioner for Agricultural Production
and Special Secretary to Government,
Agriculture, Production and Secretary
to Government, Planning and Social
Welfare Departments.

D.O. No. WD & CHK 68.

MYSORE GOVERNMENT SECRETARIAT
(P. B. No. 351)
VIDHANA SOUDHA, BANGALORE

Dated February 20, 1968

Dear Shri Mathrani.

Subject: Upper Krishna Project - Proposal for financial aid from World Bank.

Kindly refer to the D.O. No.17(22)/2668-Mat, dated the 13th January 1968, from Shri K.S.S.Murthy, Officer on Special Duty, addressed to me our Public Works Secretary.

The World Bank/IDA Irrigation Reconnaissance Mission visited the Upper Krishna Project from 6th to 20th January 1968. The Mission inspected the project area and also held discussions with the Secretaries and Agricultural Officers of the State. The Mission during their discussions, were fully apprised with the project report and the detailed study that was made regarding both the agricultural and engineering aspects. The Mission also observed that the agriculturists in the area were receptive to improved methods and felt that there was scope for increasing the yields in the Upper-Krishna [illegible] The Mission is also aware of the urgency of Krishna [illegible] the Upper-Krishna [illegible] sion that the [illegible] the utilisation of the Upper Krishna Project Stage I and [illegible] vides for utilisation of the [illegible] there would be no problem in [illegible] waters of any such [illegible] project. The Mission was [illegible] present project [illegible] approved by the Government of India for the Upper Krishna Project Stage I in 1965.

I shall be grateful if you kindly use your good offices to see that the World Bank/IDA accepts our scheme for their assistance.

With regards,

Yours sincerely,

sd.

Shri K. P. Mathrani,
Secretary to the Government of India,
Ministry of Irrigation & Power,
Government of India,
NEW DELHI.

Copy to Shri B.B.Vohra, Joint Secretary to the Government of India, Ministry of Food, Agriculture, C.D.& Co-operation (Department of Agriculture), Krishi Bhavan, New Delhi, for information.

(G.V.K.Rao)
Development Commissioner & Spl.Secy to Govt.

SK No. 35

Draft. - 20-2-69

D.O.No. PWD 5 GUK 65.

Dear Shri Mathrani,

Sub: Upper-Krishna Project
Proposal for financial aid from I.D.A.

Kindly refer to the PPO.No.11(22)/6868-Mat;

dated 13-1-1969, from Sri K.S.S.Murthy, Officer on Special Duty, addressed to me. The World Bank/IDA Irrigation Reconnaissance Mission visited the Upper-Krishna Project from 26th to 28th January 1969. The Mission inspected the project area and also held discussions with the Engineering and Agricultural officers of the State. The Mission, during the discussion, were fully satisfied with the project report and the detailed study that had been made regarding both the Agriculture and Engineering aspects. The Mission also observed that the agriculturists in the area were receptive to irrigation and, therefore, felt that there were bright prospects for irrigation in the Upper-Krishna Project area. During discussions, the Mission is stated to have made reference to the sharing of Krishna-Godavari waters and the utilisation under the Upper-Krishna Project. It was made clear to the Mission that the Government of India had already approved the utilisation of 103 T.M.Cft. of water under the Upper-Krishna Project Stage-I and since the present scheme provides for utilisation of this quantity

of water alone, there could be no question of sharing of Krishna-Godavary waters or any such matters conflicting with this project. The Mission was convinced that the utilisation under the present project remained at 103 T.M.Cft. which was as approved by the Government or India for the Upper-Krishna Project Stage-I in 1963.

It is learnt that it is now being suggested in some quarters to the Government of India and to the IDA Mission that the Upper-Krishna Project need not be considered for financial assistance as it involves the sharing of Krishna waters which is under dispute. It is hoped that the Government of India will not take into account any such move generating from any quarter whatsoever since the first stage of the Upper-Krishna Project for utilising 103 T.M.Cft. has already been approved by the Government of India in November 1963 and the present proposal contemplates utilisation of waters of Krishna river to the extent of 103 T.M.Cft. only. The IDA Mission, during their visit, have examined this aspect and have been satisfied that the present scheme is well within the scope of the project approved by the Government of India in 1963. An early decision regarding providing assistance to the Upper Krishna Project may be taken.

Yours sincerely,

~~(HANUMANTHAYA)~~

G.V.K Rao

Sri K.P. Mathrani, ~~I.C.S.~~,
Secretary to the Govt.of India,
Ministry of Irrigation & Power,
Government of India,
New Delhi.

Copy to Shri B.Bhushan, I.A.S. Ministry of Agri. Krishi Bhavan Delhi - for info.

S.N034

C. F. No. 45]

GOVERNMENT OF MYSORE

Telephone

OFFICE OF

Office of the Chief Engineer, P. W. D.
Irrigation (North), P. B. No: 23
Dharwar.

No. UKP/M-21/Designs
Encls.

Date 6 FEB 1969

To

The Secretary to the Government,
Public Works & Eleoy. Department
BANGALORE-1.

PWD (Gl. Irrgn).
No 1274 Date

Sir,

Sub:- The visit of the World Bank/I.D.A. reconnaissance Mission to the Upper Krishna Project from 26th to 28th January 1969.

Ref:- Government Letter No. PWD 5 GUK 65 dated 23rd January, 1969.

R. & I. SECTION
P. W. & E. D.
No. F. 6892
Date 10 FEB 1969
Section

The World Bank/International Development Association Irrigation Reconnaissance Mission visited the Upper Krishna Project area from 26th to 28th January 1969. The undersigned and the concerned Officers of the Public Works Department and the Director of Agriculture conducted the Mission.

The Mission raised certain points during the inspection of the project and at the meetings on the 26th, 27th and 29th. Clarifications were furnished on the several points raised by the Mission. The important points raised and the replies furnished are indicated in the enclosed Note.

Among the points raised, the following points need special attention of Government:-

Point 5: Adequate allocations of grant for Upper Krishna by the State Government.

Shri K.S.S.Murthy, the Officer on Special duty, Ministry of Irrigation and Power, Government of India, had suggested that funds to the extent of at least Rs. 15 Crores may have to be provided in the State-IV Plan, in order to attract the World Bank Assistance and he has suggested that a letter to this effect is sent by our Government to Government of India. I have indicated to the I.D.A. Team that the State Government may provide Rs. 3 Crores for the next Financial year. Government may kindly take necessary action in the matter.

..2

2. The I.D.A. Mission desired to know that water rates should cover the entire working expenses. They also desired that the capital investment should also be recovered substantially by way of betterment as the value of irrigated land would substantially appreciate by irrigation. The I.D.A. team want the State Govt. to give them an undertaking to this effect. The rate of betterment contribution in order to recover the entire investment, say in a period of 50 years is being worked out in this office and the calculations are being furnished shortly.

3. The Mission desired to know the break up of the total number of land holdings in brackets of 0 to 5 acres, 5 to 10 acres, 10 to 15 acres and so forth, upto 200 acres. This information is being collected by the Director of Agriculture and furnished separately.

4. The Director of Agriculture would also perhaps be furnishing a Note on matters pertaining to Agriculture as discussed with the Mission.

Yours faithfully,

Chief Engineer, P.W.D.
Irrigation(North)

Encls:
4-copies of
the Note.

Nk:4/2.

Copy with accompaniments forwarded to the Director of Agriculture in Mysore, Seshadri Road, Bangalore-9, for information and necessary action. He is requested to furnish a copy of the Note that he might send to Government, on the visit of the Mission to the Upper Krishna Project, for information and action at this end.

Copy to the Superintending Engineer, PWD., Upper Krishna Project Circle, Almatti, for information.

A NOTE ON THE VISIT OF THE WORLD BANK / I.D.A. IRRIGATION RECONNAISSANCE MISSION TO UPPER KRISHNA PROJECT FROM 26TH TO 28TH JANUARY, 1969

BRIEF DESCRIPTION OF THE VISIT OF THE MISSION:

1.1 The I.D.A. Mission arrived at Belgaum aerodrome on 26-1-1969 at 9-30 A.M. We were notified that the Mission had 3 days at their disposal instead of only 2 as intimated by Government of India. The Mission reached Bagalkot at lunch time. The Mission Leader, Mr. George Darnell explained that they would like to carry out reconnaissance mission of project appraisal by (1) visiting the project area and (2) discussing various aspects. Accordingly, in the afternoon the Engineering wing of the Mission visited the Right Bank of Almatti Dam and the Agricultural wing visited the State Farm near Haveli(Bagalkot). They halted at Bagalkot.

1.2 On the 27th instant, the Mission visited the Left Bank of Almatti Dam and arrived at Narayanpur for lunch. Enroute the Agricultural wing had also visited the lift irrigation schemes on the Krishna near Kolar. After lunch, the Engineering wing visited the Narayanpur Dam and the Agricultural Wing had a visit to the command area of left bank canal in Shahapur, Sherapur and Jewargi areas. The Mission halted at Bijapur on the 27th night

1.3 On the 28th, the Mission visited Government and private Farms in the Ghataprabha area in Jamkhandi, Mudhol and Gokak Talukas and halted at Belgaum.

1.4 The Mission departed for Bombay on 29th morning.

2. The final meeting took place on 28th evening at Belgaum.

2.1 The Mission raised certain points both during their inspection of the Project and in the final meeting on the 28th instant. The important amongst these points and the clarifications given thereon are indicated in the Note enclosed below:-

POINTS RAISED	CLARIFICATIONS GIVEN
1. The Project now provides for 144% crop intensity for both Kharif and Rabi together, whereas it is desirable 3 crops are taken on every acre i.e. 300% intensity should be planned, even though it may mean reduction of the command to roughly half its present size.	The cropped intensity cannot be more than 144% for the first stage in view of limited available storage. For the Second & Final Stage (on completion of Almatti Dam) an intensity of 160% is planned on the 1.95 million acres. Further intensification involves additional storage at Almatti and this is not feasible in view of serious submergence problems as we have reached the extreme limit as it is. Also, since the project has to serve famine stricken areas, it is desirable to spread the benefits to the entire command available rather

than....

Points raised	Clarifications given
	than provide moreintense irrigation on part of the command. With 160% intensity of cropping pattern, more intensive cropping is possible by tapping the underground supplies which are bound to build up in the command areas, eventually. In other words, the present ~~xxx~~ planning results in maximum possible intensity for maximum command which is most desirable under the circumstances.
2. Research on land utilisation and water management in the ayacut area should be given a high priority. Mere construction of engineering infra structure would not lead to rapid utilisation of water, as the problems of development of a million acres under irrigation is quite a stupendous job. Steps may be taken to initiate training of adequate number of extension staff, and engineering personnel for land improvement and agricultural practices.	Adequate provisions are made to meet these requirements.
3. Land acquisition for the dam, reservoirs and canals and resulting problems of rehabilitating the displaced persons should be handled expeditiously and systematically following a critical path procedure. Proper machinery has to be created right from now.	Special Rehabilitation Organisation, both in the Revenue Department and in the Public Works Department is provided for in the Project Estimate.
4. The Upper Krishna Project should not, in any way, conflict with existing rights of Andhra Pradesh or the final allocation of water	The State would abide by the decision of the Tribunal on the sharing of Krishna-Godavari Waters in this regard. However, so far as the First Stage is concerned, the contemplated utilisation is only 103 T.M.Cft. of water, which is the utilisation to irrigate 6 lakh acres, as per the Upper Krishna Project I-Stage, approved by the Government of India, in the year 1963. The area under irrigation under the modified plan now contemplated is increased to 10.1 lakh acres with an intensity of 144% of the irrigated land. This is achieved by modifications in the cropping pattern so as to produce more food grains with the same volume of water, in the present context of Nation's food shortage. Paddy has been reduced from 25% to 2½% and Sugarcane has been omitted. Due account has now been taken of the effective rainfall contribution.

Points raised	Clarifications given.
5. Adequate funds should be provided in the State Plan.	Though there has been a major difficulty in finding finances for the work so far, the State Government is anxious to execute the work and may allot at least Rs. 1 year 1969-70.
6. Steps should be taken to ensure that the cropping pattern planned is not materially infringed, as has been the case in the case of Tungabhadra Project.	Unlike the Tungabhadra Project, the cropping pattern covers practically all the cultivable land. Further, steps will be taken to control cultivation of sugarcane and paddy by:-
	i) authorising raising of paddy in water-logged areas only upto a maximum of 2½% of command.
	ii) authorising sugarcane and other perennials only on lands fit therefor in the head reaches only.
	iii) elsewhere, water will be supplied only for dry crops for 8 months. Irrigators will be permitted to grow perennials only if they dig their own wells.
	iv) any breach of the above regulation would be subjected to deterrent penalties.
7. Once the Project goes into operation an efficient organisation for the maintenance and operation of the entire irrigation system has to be planned well in advance.	As soon as the channels are ready to supply water, construction staff would be converted into Management staff, with suitable training in problems of operation and maintenance of the system, taking into account the fact that management of irrigation involves public relations.
8. The team wanted to know the construction schedule of Almatti Dam till completion of the entire Scheme (both stages)	The construction Schedule was furnished. A copy is enclosed.
9. Whether the Storage shortages for the First Stage during the intervening period, before the construction of the Almatti Storage could be met from the Reservoir up-stream in the Mysore State itself.	It was explained that this is quite possible as there are two lakes under construction higher up on important tributaries of the Krishna, viz. Malaprabha and Ghataprabha. Since the Ghataprabha Right Bank Canal would not require its full planned storage of 27 T.M.Cft. during the first stage of the Upper Krishna Project, waters could be utilised from the storage at Hidkal to the required extent. Moreover, there would be a good amount of recharge of the Krishna River due to the percolation from over 8 lakh acres of irrigated lands under Malaprabha and Ghataprabha Canals.

Contd..4

Points raised.	Clarifications given.
10. Field duties considered viz. 120 acres per cusec for dry-cum-wet irrigation is rather on the high side.	The duties assumed in the Tungabhadra Project for such crops was still higher. The duties now proposed are based upon similar ayacuts of Ghataprabha Project and Tungabhadra Project. If necessary, modification in the design of the distribution system will be made after field studies of consumptive use of water are made in due course.
11. Good co-operation is observed between the Engineering and Agricultural Departments, in conceiving this Project and presenting this report. Still greater co-operation is desirable between the two departments during the construction development stage of the project for better results.	Adequate attention will be paid to this aspect.
12. There is need for adequate processing, drying and particularly storage facilities so as not to waste any portion of the hard won produce. This problem is posed particularly because the increase in agricultural produce could be 7 to 8 times the present volume, after irrigation is introduced.	Adequate provisions have been made in the Agricultural side of the project estimate.
13. A good net-work of ayacut road communications is necessary to connect producing centres to consumer and marketing centres and storage points.	Adequate provision has been made in the Project Report.
14. Water rates so as to cover the entire operating expenses of the irrigation system may be levied, and the farmer may be involved substantially in the capital investment but not such an extent as to impair his efforts to produce more food.	The State Government have fixed water rates and there is an enactment for levy of Betterment contribution. The same could be reviewed.
15. The internal rate of return may be worked out.	The same is since worked out and calculations enclosed. The internal rate of interest comes to 25%
16. Particulars of the total number of the land holdings for the entire command area may be furnished. The holdings s be taken up in groups (a) 0-5 acres (b) 5-1(acres (c) 10-15 acres (d) 15-20 acres etc.	The above details are not readily available. They will be compiled and furnished shortly.

Copies of certain extracts and statements furnished, as desired by the Mission are enclosed.

3. The Mission informally admitted the following:-

i) Ours is the only State who have presented a Project integrating both Agriculture and Engineering aspects.

ii) Our Engineering staff was better organised than elsewhere and the Team was able to obtain any information at short notice.

4. The Mission was satisfied to know that the utilisation in the present proposals still remains 103 T.M.Cft. as provided in the sanctioned Project. The Mission felt no difficulty in recommending the First Stage.

5. The leader of the Mission concluded with the remark that the prospects of irrigation in the Upper Krishna Project area are very bright, agriculturists are receptive to irrigation and he saw in this, good auguries for successful launching of the Project.

Chief Engineer, P.W.D.,
Irrigation (North), Dharwar.

Nk:4/2

P A P E R S

HANDED OVER TO

I.D.A. MISSION

BRIEF REPORT ON LABOUR REQUIRED FOR STAGE I & II OF UPPER KRISHNA PROJECT

The maximum labour force required for the Dam and Canal works of Almatti and Narayanapur is 71,000 Nos.

The population of the taluks in the command area is as under:-

1. Muddebihal	...	1.34 lakhs
2. Sindgi	...	1.62 -do-
3. Indi	...	1.76 -do-
4. Shorapur	...	1.37 -do-
5. Jewargi	...	1.11 -do-
6. Shahapur	...	1.38 -do-
	Total	8.58 lakh or say 9 lakhs

Out of this 1/3 is landless population depending on daily wages. 50% of this population can be taken to be adult working force who can be easily recruited for the construction work. In addition to this local labour, there is very good organised professional construction labour in the neighbouring District of Mahaboobnagar.

Further nearly 48,000 labour force that was engaged on the construction work of Nagarjunasagar Dam are seeking work else where. Most of this labour can get gainful employment oppurtinity in this Project. Thus it can be said that there is no dearth of skilled or unskilled labour for this Project.

rln/5-2.

UPPER KRISHNA PROJECT

Abstract of cost (First Stage and Final Stage Tentative)

		Cost in Rs. Crores.
1.	Almatti Dam and allied works (F.R.L.1720).	54-00
2.	Almatti Left Bank Canal (0.35 lakhs acres).	1-10
3.	Almatti Right Bank Canal (0.70 lakhs acres).	4.00
4.	Narayanapur Dam and allied Works(F.R.L.1615).	20-40
5.	Narayanapur Left Bank Canal (10.10 lakh acres).	72-50
6.	Narayanapur Right Bank Canal (5 lakh acres).	19-50
7.	Cost of lift irrigation (3.35 lakh acres).	18-75
	Total	198-75 Crores
	or say	Rs.199 Crores

rln/5-2.

UPPER KRISHNA PROJECT

ALMATTI DAM AND ALLIED WORKS F.R.L. 1720

ABSTRACT OF COST

Sl. No.	Particulars		Cost in Rs.lakhs
1.	A.Preliminary	...	20.00
2.	B.Lands	...	3,200.00
3.	C.Works	...	1,700.00
4.	K.Buildings	...	60.00
5.	O.Miscellaneous	...	160.00
6.	P.Maintenance	...	55.00
7.	Q.Special Tools and plants	...	100.00
			5,295.00
	Deduct receipts and recoveries on special tools and plant	...	75.00
			5,220.00
	Direct charges		
	Establishment charges including leave and pension charges etc. @ 7½%	...	148.12 ~~186.12~~
	Tools and plant charges at 1%	...	19.75
	Indirect charges		
	Audit charges and abutment land revenue at 1%.	...	19.75
	Total	...	5,407.62

Total cost Rs.54 Crores.

rln/5-2.

YEAR WISE PROGRAMME OF EXPENDITURE(IF ALMATTI AND OTHER CANAL INCLUDING LIFT ARE ALSO CONSIDERED)
(TOTAL COST-TENTATIVE).

Sl No.	Name of work.	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	Total
	All figures in Rs.Crores.											
1.	Almatti Dam and allied works.	1.00	2.50	2.50	4.00	4.00	9.00	9.00	9.00	6.00	7.00	54.00
2.	Narayanapur Dam and allied works.	3.00	5.00	5.00	4.00	3.40	-	-	-	-	-	20.40
3.	Almatti Left Bank Canal.	-	-	-	-	-	-	-	0.30	0.40	0.40	1.10
4.	Almatti Right Bank Canal.	-	-	-	-	-	-	1.00	1.20	1.30	1.00	4.50
5.	Naraynapur Left Bank Canal.	6.00	13.00	14.00	14.00	14.50	7.00	4.00	-	-	-	72.50
6.	Narayanapur Right Bank Canal.	-	-	-	-	-	5.00	6.00	8.00	6.00	4.50	29.50
7.	Lift Irrigation from the Reservoir and Canal(3.35 lakh acres).	-	-	-	-	-	-	-	2.00	7.00	7.75	16.75
	Total	10.00	20.50	21.50	22.00	21.90	21.00	20.00	20.50	20.70	20.65	198.75

rln/5-2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL.
STATEMENT OF MANUAL LABOUR REQUIREMENTS FOR NARAYANAPUR LIFT BANK CANAL
YEAR 1969-70.

Sl. No.	Particulars	Quantity in Million Cum.	Rate/Cum Materials Rs.	Rate/Cum Labour Rs.	Cost (in Million Rupees) Material.	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of labour in Rs. per day.	Total No. of Man day MMD-Mill Man days.	Working days in the year.	No. of labourers working at a time.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Excavation										
	i) In Soil.	2.55	-	5.00		12.75	12.75	4.00	3.19 M.M.D.	250 days	12,750
	ii) In Rock	0.45	6.00	10.00	2.70	4.50	7.20	4.00	1.13 "	250 days	4,500
2.	Banking										
	i) Pervious	1.20	1.50	3.50	1.80	4.20	6.00	4.00	1.05 "	250 days	4,200
	ii) Impervious	0.30	3.00	4.00	0.90	1.20	2.10	4.00	0.30 "	250 days	1,200
3.	Lining.	-	70.00 (Rate per No.)	30.00	-	-	-	-	-	-	-
4.	C.D.works.	50 Nos.	35,000	15,000	5.25	0.75	6.00	4.00	0.19	250 days	750
5.	Tunnel.	-	-	-	-	-	-	-	-	-	-
										Total	23,400

rln/5-2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL
STATEMENT OF MANUAL LABOUR REQUIRED FOR NARAYANAPUR LEFT BANK CANAL
YEAR 1970-71.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum Materials Rs.	Rate/Cum Labour Rs.	Cost (in Million Rupees) Materials.	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of labour in Rs. per day.	Total day	No. of Man-MMD-Mill mandays.	Working days in the year.	No. of labourers working at a time
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavation											
	1. Soil.	4.42	-	5.00	-	22.10	22.10	4.00	5.5[illegible]	M.M.D.	250 days	22,04
	2. Rock	0.78	6.00	10.00	4.68	7.80	12.48	4.00	1.95	"	250 days	7,80
2.	Embankment											
	1. Impervious	2.00	1.50	3.50	3.00	7.00	10.00	4.00	1.75	"	250 days	7,00
	2. Impervious	0.50	3.00	4.00	1.50	2.00	3.50	4.00	0.50	"	250 days	2,00
3.	Lining.	0.15	70.00 (Rate per No.)	30.00	10.50	4.50	15.00	4.00	1.13	"	250 days	4,[illegible]0
4.	C.D.works	80 Nos	35,000.00	15,000.00	2.80	0.42	3.22	4.00	0.10	"	250 days	400
5.	Tunnel.	800 mtrs.	16,000.00 (Rate per Mtr)	6,800	12.80	5.44	18.24	7.00	0.78	"	250 days	3,120
											Total	46,880

rln/5-2.

UPPER KRISHNA PROJECT.
NARAYANAPUR LEFT BANK CANAL.

Statement of manual labour required for Narayanapur Left Bank Canal
Year - 1971-72.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate / Cum. Materials.	Rate / Cum. Labour.	Cost (in Million Rupees) Materials.	Cost (in Million Rupees) Labour.	Cost (in Million Rupees) Total.	Rate of Labour in Rs.	Total No. of Manday MMD-Million Man days.		Working days in the year.	No.of labourers working at a time
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavation:											
	1) Soil.	5.10	-	5.00	-	25.50	25.50	4.00	6.38	M.M.D.	250 days	25,500
	2) Rock.	0.90	6.00	10.00	5.40	9.00	14.40	4.00	2.25	"	250 "	9,000
2.	Embankment:											
	1) Pervious.	2.80	1.50	3.50	4.20	9.80	14.00	4.00	2.24	"	250 "	9,800
	2) Impervious.	0.70	3.00	4.00	2.01	2.80	4.90	4.00	0.70	"	250 "	2,800
3.	Lining.	0.18	70.00	30.00	12.60	5.40	18.00	4.00	1.35	"	250 "	5,400
		(Rate per No.)										
4.	C.D.Works.	100 Nos.	35,000	15,000	3.50	1.50	5.00	4.00	0.38	"	250 "	1,500
		(Rate per Metre)										
5.	Tunnel	1200 Mtrs.	16,000	6,800	19,20	8.10	27.30	7.00	1.16	"	250 "	4,640
										Total.		58,640

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL.

Statement of Manual Labour required for Narayanapur Left Bank Canal
Year 1972-73.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Materials.	Rate/Cum. Labour.	Cost (in Million Rupees) Material.	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of Labour in Rs. per day.	Total No. of Man-days. MMD- Mill. mandays.		Working days in the year.	No. of labourers working at a time.
1.	Excavation:											
	1) Soil.	5.10	-	5.00	-	25.50	25.50	4.00	6.40	MMD	250 days	25,600
	2) Rock	0.90	6.00	10.00	5.40	9.00	14.40	4.00	2.25	"	250 "	9,000
2.	Embankment:											
	1) Pervious.	2.80	1.50	3.50	4.20	9.30	14.00	4.00	2.45	"	250 "	9,800
	2) Impervious	0.70	3.00	4.00	2.10	2.80	4.90	4.00	0.62	"	250 "	2,800
3.	Lining.	0.18	70.00	30.00	12.60	5.40	18.00	4.00	1.37	"	250 "	5,400
4.	C.D.Works.	120 Nos.	(Rate per No.) 35,000	15,000	4.20	1.80	6.00	4.00	0.45	"	250 "	1,800
5.	[redacted] Tunnel	1,200 M.	16,000	6,800	19.20	8.16	27.36	7.00	1.16	"	250 "	4,640
											Total	59,040

rr/5.2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL

Statement of Manual labour required for Narayanapur Left Bank Canal system.
Year 1973-74.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/cum. Materials.	Rate/cum. Labour.	Cost(in Million Rupees) Materials.	Cost(in Million Rupees) Labour	Cost(in Million Rupees) Total.	Rate of Labour in Rs. per day.	Total No.of Man days MMD.- Million Man days.	Working days in the year.	Number of labourers working at time.
1.	Excavation :										
	1) Soil	5.10	-	5.00	-	25.50	25.50	4.00	6.37 MMD	250 Days	25,480
	2) Rock	0.90	6.00	10.00	5.40	09.00	14.40	4.00	2.25 "	250 "	9,000
2.	Embankment:										
	1) Pervious	2.40	1.50	3.50	3.60	8.40	12.00	4.00	2.10 "	250 "	8,400
	2) Impervious.	0.60	3.00	4.00	1.80	2.40	04.20	4.00	0.60 "	250 "	2,400
3.	Lining	0.18	70.00	30.00	12.60	5.40	18.00	4.00	1.35 "	250 "	5,400
			(Rate per No.)								
4.	C.D.Works.	120 Nos.	35,000	15,000	4.20	1.80	6.00	4.00	0.45 "	250 "	1,800
5.	Tunnel.	1068 Mtr.	16,00	6,800	17.08	7.26	24.34	7.00	1.04 "	250 "	4,160
										Total.	56,700

rr/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL

Labour Required for Narayanapur Left Bank Canal System
Year 1974-75.

S.No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Materials.	Rate/Cum. Labour	Cost (in Million Rupees) Materials	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total.	Rate of Labour in Rs. per day.	Total No.of Man days MMD-Million Man days.		Working days in the year.		No.of labourers working at a time.
•	**Excavation:**												
	1) Soil.	2.13	-	5.00	-	10.65,	10.65	4.00	2.66	MMD	250	Days	10,640
	2) Rock.	0.37	6.00	10.00	2.22	3.70	5.92	4.00	0.93	"	250	"	3,720
•	**Embankment:**												
	1) Pervious	2.00	1.50	3.50	3.00	5.25	8.25	4.00	1.31	"	250	"	5,240
	2) Impervious.	0.50	3.00	4.00	1.50	2.00	3.50	4.00	0.50	"	250	"	2,000
•	Lining.	0.13	70.00	30.00	9.10	3.90	13.00	4.00	0.98	"	250	"	3,920
•	C.D.Works	100 Nos	(Rate per No.) 35,000	15,000	3.50	1.50	5.00	4.00	0.37	"	250	"	1,480
•	Tunnel.								-	-	-		-
											Total		27,000

rr/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL

Statement of Manual Labour Required for Narayanapur Left Bank Canal System
Year 1975-76.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Labour & Materials	Cost (in Million Rupees) Labour & Materials	Total	Rate of Labour in Rs. per days.	Total No.of Man days MMD-Million Man days.		Working days in the year.	No.of Labourers working at a time.
1.	Excavation:									
	1) Soil	1.70	5.00	8.50	8.50	4.00	2.12	MMD	250 days	8,480
	2) Rock.	0.30	10.00	3.00	4.80	4.00	0.75	"	250 "	3,000
2.	Embankment.								250 "	5,200
	1) Pervious	1.52	3.50	5.22	7.50	4.00	1.30		250 "	1,520
	2) Impervious	0.38	4.00	1.52	2.66	4.00	0.38		-	-
3.	Lining.	-	-	-	-	-	-	-	250 "	1,080
4.	C.D.Works	72 Nos	(Rate Per No.) 15,000	1.08	3.60	4.00	0.27	"	-	
5.	Tunnel.	-	-	-	-	-	-		Total.	19,280

rr/5.2.

STATEMENT OF MANUAL LABOUR REQUIRED FOR NARAYANPUR DAM FOR YEAR 1970-71
(Peak Labour Strength)

Sl. No.	Particulars.	Quantity in Mill. cum.	Rate/Cum		Cost (in Million Rupees)			Rate of labour in Rs.	Total No. M. Day	Working days in year.	No. of labourers.
			Materials	Labour.	Materials	Labour	Total				
			Rs	Rs							
1.	Excavation										
	In soil	0.04	...	5.00	...	).20	0.20	4.00	0.05	250	200
	In Rock	0.06	6.00	10.00	0.36	).60	0.96	4.00	0.15	250	600
2.	Masonry	0.08	35.00	35.00	2.70	2.70	5.40	4.00	0.675	250	2700
3.	Concrete	0.07	100.00	20.00	7.00	1.40	8.40	4.00	0.35	250	1400
4.	Embankment	0.60	7 x .30 = 2.1	7 x .70 = 4.90	1.26	2.94	4.20	4.00	0.735	250	2950
									Total:		7850
									Or say 8,000 Nos.		

STATEMENT OF MANUAL L-ABOUR REQUIRED FOR ALMATTI DAM FOR YEAR 1971-1972 (Peak labour strength)

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum		Cost (In Mill. Rupees)			Rate of labour in Rs.	Total No. M.M.Day	Working days in year	No. of labourers.
			Materials	Labour	Materials	Labour	Total				
1.	Excavation										
	In Soil	0.20 x .60 = .12	..	5.00		0.60	0.60	4.00	0.15	250	600
	In rock	0.20 x .40 = .08	6.00	10.00	0.48	0.80	1.28	4.00	0.20	250	800
2.	Concrete	0.14	100.00	20.00	14.00	2.80	16.80	4.00	0.70	250	2800
								Say: 4000Nos.			4200

Nk*

RAIN FALL TABLES (in inches)

S.No.	Taluka	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Average	Total
1.	Shahapur Average of year 1961-68	0.41	0.18	0.30	0.73	0.86	4.78	5.35	4.26	8.20	3.71	0.66	0.72	2.51	30.10
2.	Shorapur Average of year 1962-68	0.05	0.23	0.15	0.38	0.53	3.80	4.48	5.62	8.88	2.96	1.16	0.68	2.38	28.50
3.	Sindgi Average of year 1963-68	0.33	0.34	0.16	0.04	1.34	3.62	4.60	3.23	7.24	2.87	0.67	0.22	2.06	24.72
4.	Jewargi Average of year 1963-68	0.30	0.93	0.66	0.14	0.236	0.55	0.58	5.97	8.22	5.86	0.13	..	1.88	22.50
5.	Indi Average of year 1952-68	^.054	0.81	0.32	0.76	1.35	4.56	3.39	4.27	6.46	2.82	0.60	0.14	2.10	25.20
	AVERAGE ...	∪.19	0.32	0.30	0.41	0.70	3.00	3.09	4.25	6.85	3.26	0.56	0.32		23.25

Nk*

STATEMENT SHOWING SEASONAL AND ANNUAL NORMALS OF RAINFALL (Milimetres)

Sl. No.	District Station	Sub-basin	Number of years for calculating normals	January-February	March-May	June-September	October-December	Annual.
1	2	3	4	5	6	7	8	9
			MYSORE STATE					
	BELLARY							
4.	Hospet	K.8 Tungabhadra	50	6.1	81.1	404.0	142.2	633.4

Nk*

[Extract from the Report of The Krishna Godavari Commission, (1961)
ANNEXURE I Page 52]

STATEMENT SHOWING EVAPORATION LOSSES IN KRISHNA-GODAVARI BASINS AND ADJOINING AREAS

Sl. No.	Station	Sub-basin	Year	Monthly evaporation Losses in milimetres													Remarks.
				Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4.	Tungabhadra	K.8-Tungabhadra	1954	207	254	N.A	291	311	253	186	182	209	199	198	174	N.A*	*Not available
			1955	211	246	313	276	262	207	193	176	190	171	177	190	2612	
			1956	225	245	329	347	247	202	139	178	160	158	130	171	2531	
			1957	199	225	272	305	247	180	153	132	194	178	165	184	2434	
			1958	193	181	233	239	206	225	141	154	170	190	150	129	2211	
			1959	140	184	267	273	294	178	116	153	143	141	152	150	2191	
			1960	139	184	226	243	250	199	188	166	143	176	134	149	2197	
			1961	165	178	241	241	211	170	137	137	140	153	127	145	2045	

[Extract from the Report of The Krrshna Godavari Commission, (1961) ANNEXURE I Page 40 & 41]

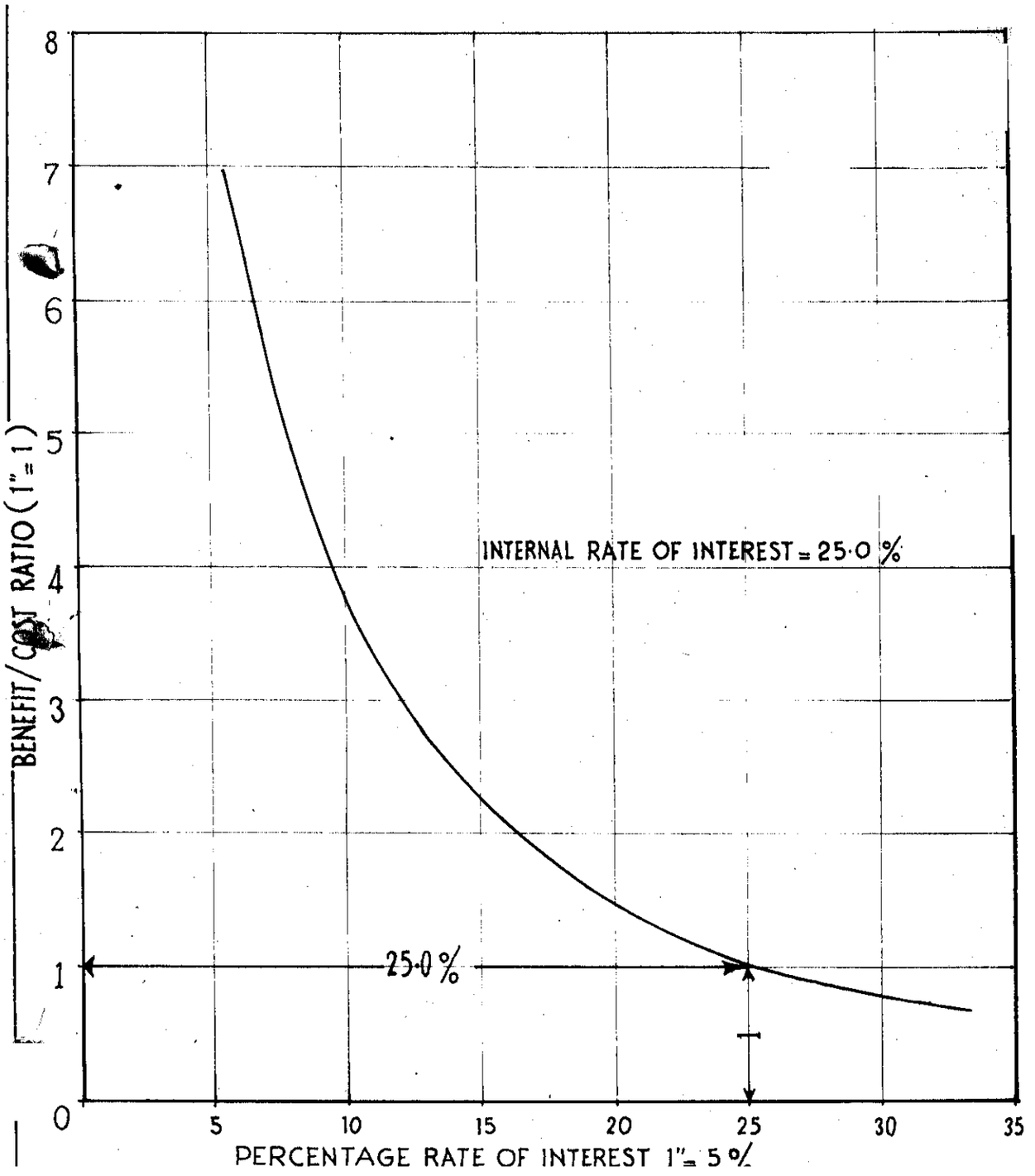
Nk*

(a) Statement showing the Costs a [redacted] ...ffle at different rates of interest.

Sl. No.	Year														

(b) Statement showing the Benefit Cost Ratio when future benefits and costs are discounted at different rates of interest.

Sl. No.	Rate of interest (Percentage)	Benefits in millions of Rs.	Costs in Millions of Rs.	B/C Ratio
1	6	7191.48	1098.81	6.51
2	8	4858.46	993.82	4.89
3	10	3453.63	906.36	3.73
4	20	988.82	676. 80	1.47
5	25	594.84	571.882	1.041
6	30	363.85	484.83	0.75


BENEFIT/COST RATIO (1" = 1)
8
7
6
5
4
3
2
1
0
INTERNAL RATE OF INTEREST = 25·0 %
25·0 %
5
10
15
20
25
30
35
PERCENTAGE RATE OF INTEREST 1" = 5 %

A NOTE ON THE VISIT OF THE WORLD BANK / I.D.A. IRRIGATION RECONNAISSANCE MISSION TO UPPER KRISHNA PROJECT FROM 26TH TO 28TH JANUARY, 1969

- - - -

BRIEF DESCRIPTION OF THE VISIT OF THE MISSION:

1.1 The I.D.A. Mission arrived at Belgaum aerodrome on 26-1-1969 at 9-30 A.M. We were notified that the Mission had 3 days at their disposal instead of only 2 as intimated by Government of India. The Mission reached Bagalkot at lunch time. The Mission Leader, Mr. George Darnell explained that they would like to carry out reconnaissance mission of project appraisal by (1) visiting the project area and (2) discussing various aspects. Accordingly, in the afternoon the Engineering wing of the Mission visited the Right Bank of Almatti Dam and the Agricultural wing visited the State Farm near Haveli(Bagalkot). They halted at Bagalkot.

1.2 On the 27th instant, the Mission visited the Left Bank of Almatti Dam and arrived at Narayanpur for lunch. Enroute the Agricultural wing had also visited the lift irrigation schemes on the Krishna near Kolar. After lunch, the Engineering wing visited the Narayanpur Dam and the Agricultural Wing had a visit to the command area of left bank canal in Shahapur, Sherapur and Jewargi areas. The Mission halted at Bijapur on the 27th night.

1.3 On the 28th, the Mission visited Government and private Farms in the Ghataprabha area in Jamkhandi, Mudhol and Gokak Talukas and halted at Belgaum.

1.4 The Mission departed for Bombay on 29th Morning.

2. The final meeting took place on 28th evening at Belgaum.

2.1 The Mission raised certain points both during their inspection of the Project and in the final meeting on the 28th instant. The important amongst these points and the clarifications given thereon are indicated ~~in the Note enclosed.~~ below :-

POINTS RAISED	CLARIFICATIONS GIVEN
1. The Project now provides for 144% crop intensity for both Kharif and Rabi together, whereas it is desirable 3 crops are taken on every acre i.e. 300% intensity should be planned, even though it may mean reduction of the command to roughly half its present size.	The cropped intensity cannot be more than 144% for the first stage in view of limited available storage. For the Second & Final Stage (on completion of Almatti Dam) an intensity of 160% is planned on the 1.95 million acres. Further intensification involves additional storage at Almatti and this is not feasible in view of serious submergence problems as we have reached the extreme limit as it is. Also, since the project has to serve famine stricken areas, it is desirable to spread the benefits to the entire command available rather

than....

Points raised	Clarifications given
	than provide moreintense irrigation on part of the command. With 160% intensity of cropping pattern, more intensive cropping is possible by tapping the underground supplies which are bound to build up in the command areas, eventually. In other words, the present ~~pattx~~ planning results in maximum possible intensity for maximum command which is most desirable under the circumstances
2. Research on land utilisation and water management in the ayacut area should be given a high priority. Mere construction of engineering infra structure would not lead to rapid utilisation of water, as the problems of development of a million acres under irrigation is quite a stupendous job. Steps may be taken to initiate training of adequate number of extension staff and engineering personnel for land improvement and agricultural practices.	Adequate provisions are made to meet these requirements.
3. Land acquisition for the dam, reservoirs and canals and resulting problems of rehabilitating the displaced persons should be handled expeditiously and systematically following a critical path procedure. Proper machinery has to be created right from now.	Special Rehabilitation Organisation, both in the Revenue Department and in the Public Works Department is provided for in the Project Estimate.
4. The Upper Krishna Project should not, in any way, conflict with existing rights of Andhra Pradesh or the final allocation of water.	The State would abide by the decision of the Tribunal on the sharing of Krishna-Godavari Waters in this regard. However, so far as the First Stage is concerned, the contemplated utilisation is only 103 T.M.Cft. of water, which is the utilisation to irrigate 6 lakh acres, as per the Upper Krishna Project I-Stage, approved by the Government of India, in the year 1963. The area under irrigation under the modified plan now contemplated is increased to 10.1 lakh acres with an intensity of 144% of the irrigated land. This is achieved by modifications in the cropping pattern so as to produce more food grains with the same volume of water, in the present context of Nation's food shortage. Paddy has been reduced from 25% to 2½% and Sugarcane has been omitted. Due account has now been taken of the effective rainfall contribution.

...3

Points raised	Clarifications given.
5. Adequate funds should be provided in the State Plan.	Though there has been a major difficulty in finding finances for the work so far, the State Government is anxious to execute the work and may allot at least Rs. 5 crores for the year 1969-70.
6. Steps should be taken to ensure that the cropping pattern planned is not materially infringed, as has been the case in the case of Tungabhadra Project.	Unlike the Tungabhadra Project, the cropping pattern covers practically all the cultivable land. Further, steps will be taken to control cultivation of sugarcane and paddy by:- i) authorising raising of paddy in water-logged areas only upto a maximum of 2½% of command. ii) authorising sugarcane and other perennials only on lands fit therefor in the head reaches only. iii) elsewhere, water will be supplied only for dry crops for 8 months. Irrigators will be permitted to grow perennials only if they dig their own wells. iv) any breach of the above regulation would be subjected to deterrent penalties.
7. Once the Project goes into operation an efficient organisation for the maintenance and operation of the entire irrigation system has to be planned well in advance.	As soon as the channels are ready to supply water, construction staff would be converted into Management staff, with suitable training in problems of operation and maintenance of the system, taking into account th fact that management of irrigation involves public relations.
8. The team wanted to know the construction schedule of Almatti Dam till completion of the entire Scheme (both stages)	The construction Schedule was furnished. A copy is enclosed.
9. Whether the Storage shortages for the First Stage during the intervening period, before the construction of the Almatti Storage could be met from the Reservoir up-stream in the Mysore State itself.	It was explained that this is quite possible as there are two lakes under construction higher up on important tributaries of the Krishna, viz. Malaprabha and Ghataprabha. Since the Ghataprabha Right Bank Canal would not require its full planned storage of 27 T.M.Cft.during the first stage of the Upper Krishna Project, waters could be utilised from the storage at Hidkal to the required extent. Moreover, there would be a good amount of recharge of the Krishna River due to the percolation from over 8 lakh acres of irrigated lands under Malaprabha and Ghataprabha Canals.

Contd..4

oints raised.	Clarifications given.
_0. Field duties considered viz. 120 acres per cusec for dry-cum-wet irrigation is rather on the high side.	The duties assumed in the Tungabhadra Project for such crops was still higher. The duties now proposed are based upon similar ayacuts of Ghataprabha Project and Tungabhadra Project. If necessary, modification in the design of the distribution system will be made after field studies of consumptive use of water are made in due course.
11. Good co-operation is observed between the Engineering and Agricultural Departments, in conceiving this Project and presenting this report. Still greater co-operation is desirable between the two departments during the construction development stage of the project for better results.	Adequate attention will be paid to this aspect.
12. There is need for adequate processing, drying and particularly storage facilities so as not to waste any portion of the hard won produce. This problem is posed particularly because the increase in agricultural produce could be 7 to 8 times the present volume, after irrigation is introduced.	Adequate provisions have been made in the Agricultural side of the project estimate.
13. A good net-work of ayacut road communications is necessary to connect producing centres to consumer and marketing centres and storage points.	Adequate provision has been made in the Project Report.
14. Water rates so as to cover the entire operating expenses of the irrigation system may be levied, and the farmer may be involved substantially in the capital investment but not such an extent as to impair his efforts to produce more food.	The State Government have fixed water rates and there is an enactment for levy of Betterment contribution. The same could be reviewed.
15. The internal rate of return may be worked out.	The same is since worked out and calculations enclosed. The internal rate of interest comes to 25%
16. Particulars of the total number of the land holdings for the entire command area may be furnished. The holdings may be taken up in groups of (a) 0-5 acres (b) 5-10 acres (c) 10-15 acres (d) 15-20 acres etc.	The above details are not readily available. They will be compiled and furnished shortly.

Contd..5

Copies of certain extracts and statements furnished, as desired by the Mission are enclosed.

3. The Mission informally admitted the following:-

i) Ours is the only State who have presented a Project integrating both Agriculture and Engineering aspects.

ii) Our Engineering staff was better organised than elsewhere and the Team was able to obtain any information at short notice.

4. The Mission was satisfied to know that the utilisation in the present proposals still remains 105 T.M.Cft. as provided in the sanctioned Project. The Mission felt no difficulty in recommending the First Stage.

5. The leader of the Mission concluded with the remark that the prospects of irrigation in the Upper Krishna Project area are very bright, agriculturists are receptive to irrigation and he saw in this, good auguries for successful launching of the Project.

Chief Engineer, P.W.D.,
Irrigation (North), Dharwar.

Mk:4/2

6/2

P A P E R S

HANDED OVER TO

L.D.A. MISSION

BRIEF REPORT ON LABOUR REQUIRED FOR STAGE I & II OF UPPER KRISHNA PROJECT

The maximum labour force required for the Dam and Canal works of Almatti and Narayanapur is 71,000 Nos.

The population of the taluks in the command area is as under:-

1. Muddebihal	...	1.36 lakhs
2. Sindgi	...	1.82 -do-
3. Indi	...	1.76 -do-
4. Shorapur	...	1.37 -do-
5. Jewargi	...	1.11 -do-
6. Shahapur	...	1.38 -do-
	Total	8.82 lakh or say 9 lakhs.

Out of this 1/3 is landless population depending on daily wages. 50% of this population can be taken to be adult working force who can be easily recruited for the construction work. In addition to this local labour, there is very good organised professional construction labour in the neighbouring District of Mahaboobnagar.

Further nearly 48,000 labour force that was engaged on the construction work of Nagarjunasagar Dam are seeking work else where. Most of this labour can get gainful employment opportunity in this Project. Thus it can be said that there is no dearth of skilled or unskilled labour for this Project.

rln/5-8.

UPPER KRISHNA PROJECT

Abstract of cost (First Stage and Final Stage Tentative)

		Cost in Rs. Crores.
1.	Almatti Dam and allied works (F.R.L.1720).	54-00
2.	Almatti Left Bank Canal (0.35 lakhs acres).	1-10
3.	Almatti Right Bank Canal (0.70 lakhs acres).	4.80
4.	Narayanapur Dam and allied works (F.R.L.1615).	20-40
5.	Narayanapur Left Bank Canal (10.10 lakh acres).	72-60
6.	Narayanapur Right Bank Canal (5 lakh acres).	29-60
7.	Cost of lift irrigation (3.35 lakh acres).	12-75
	Total	198-75 Crores
	or say	Rs.199 Crores

rln/5-2.

UPPER KRISHNA PROJECT

ALMATTI DAM AND ALLIED WORKS F.R.L. 1730

ABSTRACT OF COST

Sl. No.	Particulars		Cost in Lakhs
1.	A. Preliminary	...	20.00
2.	B. Lands	...	3,200.00
3.	C. Works	...	1,700.00
4.	K. Buildings	...	60.00
5.	O. Miscellaneous	...	180.00
6.	P. Maintenance	...	65.00
7.	Q. Special Tools and plants	...	100.00
			5,325.00
	Deduct receipts and recoveries on special tools and plant	...	75.00
			5,250.00
	Direct charges		
	Establishment charges including leave and pension charges etc. @ 7½%	...	148.12
	Tools and plant charges at 1%	...	19.75
	Indirect charges		
	Audit charges and abatement land revenue at 1%.	...	19.75
	Total	...	5,407.62

Total cost 5.41 Crores.

—/S-2.

YEAR WISE PROGRAMME OF EXPENDITURE(IF ALMATTI AND OTHER CANAL INCLUDING LIFT ARE ALSO CONSIDERED)
(TOTAL COST-ALTERNATIVE).

Sl No.	Name of work.	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	Total
	All figures in Hundreds.											
1.	Almatti Dam and allied works.	1.00	2.80	2.80	4.00	4.00	9.00	9.00	9.00	6.00	7.00	54.60
2.	Narayanapur Dam and allied works.	3.00	5.00	5.00	4.00	3.40	-	-	-	-	-	20.40
3.	Almatti Left Bank Canal.	-	-	-	-	-	-	-	0.30	0.40	0.40	1.10
4.	Almatti Right Bank Canal.	-	-	-	-	-	-	1.00	1.20	1.20	1.00	4.40
5.	Narayanapur Left Bank Canal.	6.00	13.00	14.00	14.00	14.60	7.00	4.00	-	-	-	72.60
6.	Narayanapur Right Bank Canal.	-	-	-	-	-	5.00	6.00	8.00	6.00	4.60	29.60
7.	Lift Irrigation from the Reservoir and Canal(3.38 lakh acres).	-	-	-	-	-	-	-	2.00	7.00	7.76	16.76
	Total	10.00	20.80	21.80	22.00	21.90	21.00	20.00	20.50	20.70	20.68	198.76

rln/S-2.

GOVERNMENT OF MYSORE.

BY EXPRESS DELIVERY.

No. UKP/D.21/Designs. Dated: 22-12-1958.

22 DEC 1958

To

The Director of Agriculture,
Bangalore.

PWD (Cl. Irrgn).
No. 5636 Date

Subject:- Upper Krishna Project- Proposal for financial Assistance by I.D.A.

Reference:- this office letter of even No. dated 20-12-1958.

In continuation of this office letter cited in reference, I am herewith sending a Plan shewing the - irrigable command and the extent of [illegible] proposed to be created year-wise under [illegible] for your information.

Yours faithfully,

Encl: Plan.

O. C. Appd. by C. S.

For Chief Engineer, P.W.D.,
Irrigation (North), Dharwar.

Copy to Secretary, P.W.D., Bangalore with copy of enclo

Copy F.W.Cs to the Joint Director of Agriculture, Dharw Gulbarga with copy of enclosures.

Copy forwarded to the Superintending Engineer, U.K.P.C. The Annual outlay on works and the financial and seasonal analysis may be worked out accordingly.

TO OPEN CUT HERE

Date Stamp

INDIAN POSTS AND TELEGRAPHS DEPARTI

351 **TELEGRAM**

Address

SECRETARY GOVERNMENT OF

MYSORE PUBLIC WORKS AND ELECTRI(

DEPARTMENT BANGALORI

SECRETARY TO GOVERNMENT Receipt No. 4761 Date 30 DEC 1958 By PUBLIC WORKS & ELEC. DEPT.

OPENED BY THE RESIDENT CLERK Date 29/12/58

The sequence of entries at the beginning of this telegram is—class of telegram, time handed in, serial number, office of origin, date, service instructions (if any) and number of words.

This form must accompany any enquiry respecting this telegram.

FIRST FOLD

X 1755 P90 DHARWAR THRO HB 28 STE 22

REPORT UNDER COMPLETION WILL BE SUBMITTED SHORTLY = CENORTH

INDIAN POSTS AND TELEGRAPHS DEPARTMENT

TELEGRAM

C. No.

Date

Stamp

Time of { Booking / Receipt

From

By

The sequence of entries at the beginning of this telegram is—class of telegram, time handed in, serial number, office of origin, date, service instructions (if any) and number of words.

This form must accompany any enquiry respecting this telegram.

S.No 12

Address

OFFICE COPY

Date

/CHANDAPPA PATEL SECRETARY PWD MYSORE BANG

31/12

9.30 PM

FIRST FOLD

X 1710 DA 1073 NEW DELHI 31 STE 61

--- NO 17(22)/68-MAT (.) REF KSS MURTHYS D O NO 5043/OSD(M)/68 DATED THIRTEENTH INSTANT REGARDING POSING OF UPPER KRISHNA STAGE I PROJECT FO NANCIAL ASSISTANCE FROM IDA (.) IRRIGATION MISSION WOULD START DISCUSSI FROM SIXTH JANUARY 1969 (.) GRATEFUL IF DETAILED DATA REQUESTED IS SENT IMMEDIATELY- IRRIGATION

SECRETARY TO GOVERNMENT
2 JAN 1969
PUBLIC WORKS & ELEC. DEPT.

EXPRESS PHONOGRAM DATED 28-12-1968.

SECRETARY
GOVERNMENT OF MYSORE
PUBLIC WORKS & ELECY.DEPARTMENT
BANGALORE

REPORT UNDER COMPLETION - WILL BE SUBMITTED SHORTLY

CENORTH

Not to be Phonogramed.

Sd/-
for Chief Engineer,
Irrigation (North).

60088
2 JAN 19
69

PWD (Gl. Irrgn).
No 27 Date 3/1/69

No.DKP MSI Designs Dated: 30 DEC 1968

Post copy in confirmation is forwarded to the Secretary to Government of Mysore, Public Works & Elecy.Department, Banglo with reference to the Telegram dated: 28-12-68. The report called for in Govt.letter No.PWD 5 SGX 65 dtd 17th Dec. 68 is under completion and will be submitted shortly.

4/1

for Chief Engineer,
Irrigation (North), Dharwar.

Rcd.28/12.

8.13

GOVERNMENT OF MYSORE

No.UKP/D.21/Designs.

Office of the Chief Engineer, PWD.,
Irrigation (North), P.B.No.23,
Dharwar, Dated: 3rd January 1969.

To

The Secretary to Government,
Public Works Department,
Mysore Government Secretariat,
Vidhana Soudha,
BANGALORE-1.

Sir,

Sub:- Upper Krishna Project - Proposal for financial assistance by I.D.A.

Ref:- D.O.No. PWD 5 GUK 65, dated 17th December 1968.

- - -

With reference to the above, I am herewith enclosing 15 copies of a note on Upper Krishna Project, Stage-I in 3 volumes.

Volume I contains Engineering aspects of the project and covers items 1 to 12, 14, 15, 20, 21 and 22 of the check list. All relevant drawings are included in Volume II. Volume III comprises Agricultural aspects of the project and covers item No.2 and 16 to 20 of the check list.

The financial analysis given in Appendix No.10 of Volume I is prepared taking into consideration the Investment and Revenue of both Engineering as well as Agricultural ~~factors~~ sectors. The benefit cost ratios arrived at vide Appendix No.11 are based on the benefits given in the report of Agricultural sector (Volume III) and costs of both agricultural and engineering part of the project.

To avoid delays, the note pertaining to agriculture sector has been got prepared by the Principal, Gramsevak's Training Centre, Dharwar, with suitable direction from the Director of Agriculture, who has been also consulted in this behalf by the undersigned.

A copy of the Mysore Land Reforms Act, though mentioned as enclosed to the Volume No.I, is not actually appended as the same is not readily available. It is requested that arrangement may kindly be made to enclose copies of the Act while forwarding the note to the Government of India.

Yours faithfully,

Chief Engineer, PWD.,
Irrigation (North), Dharwar.

Encl: 3 volumes of a Note in 15 sets.

UPPER KRISHNA PROJECT
HARAYANAPUR LEFT BANK CANAL.
STATEMENT OF MANUAL LABOUR REQUIRED FOR HARAYANAPUR LEFT BANK CANAL
YEAR 19[illegible]-[illegible].

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum. Manual Labour in Rs.	Amount (in Million Rupees) Manual Labour	Skilled Labour	Rate of Labour in Rs. per day.	Total No. of man days required.	No. of working days in the year.	No. of Labourers working at a time.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Excavation										
	i) In soil.	8.88	-	8.00		32.472	32.472	4.00	8.12 M.M.D.	260 days	32,720
	ii) In Rock	0.48	6.00	10.00	8.70	4.80	7.80	4.00	1.32 "	260 days	4,000
2.	Banking										
	i) Previous	1.00	1.80	2.80	1.80	4.80	6.00	4.00	1.08 "	260 days	4,000
	ii) Imprevious	0.80	2.00	4.00	0.80	1.80	2.10	4.00	0.80 "	260 days	1,200
3.	Lining.	-	75.00 (Rate per Sq.)	20.00	-	-	-	-	-	-	-
4.	[illegible]	80 Sqs.	25,000	16,000	8.08	0.72	0.00	4.00	0.18	260 days	720
5.	[illegible]	-	-	-	-	-	-	-	-	-	-
										Total	32,400

Sln/C-2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL
STATEMENT OF MANUAL LABOUR REQUIRED FOR NARAYANAPUR LEFT BANK CANAL
YEAR [illegible]

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Material ale. Rs	Rate/Cum. Labour Rs.	Cost(in Million Rupees) Material ale.	Cost(in Million Rupees) Labour	Cost(in Million Rupees) Total	Rate of labour in Rs per day.	Total No.of man-days.		working days in the years	No. of labourers working at a time.
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavation											
	1. Soil.	4.68	-	5.00	-	22.19	22.19	4.00	5.55	M.M.D.	220 days	25,000
	2. Rock	0.78	6.00	10.00	4.68	7.80	12.48	4.00	1.95	"	220 days	7,000
2.	Embankment											
	1. Impervious	2.00	1.50	3.50	3.00	7.00	10.00	4.00	1.75	"	220 days	7,000
	2. Impervious	0.80	2.50	4.00	1.60	2.40	4.00	4.00	0.60	"	220 days	2,000
3.	Lining.	0.15	70.00	30.00	10.50	4.50	15.00	4.00	1.12	"	220 days	4,000
4.	C.D.works	20 Nos	(Rate per No.) 10,000.00	10,000.00	2.00	0.48	2.48	4.00	0.10	"	220 days	400
5.	Tunnel.	800 mtrs.	(Rate per Mtr) 10,000.00	6,800	12.80	5.44	18.24	7.00	0.78	"	220 days	3,120
											Total	49,520

rln/5-2.

UPPER KRISHNA PROJECT.
KARAKARAPUR LEFT BANK CANAL.

Statement of manual labour required for Karyamapur Left Bank Canal
Year - 1973-74.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate / Cum. Kata-rials.	Labour.	Cost (in Million Rupees) Kata-rials.	Labour.	Total.	Rate of labour in Rs.	Total No. of Mandy-days in Mill. Num days.	Working days in the year.	No. of labourers working at a time.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Excavation in Soil.	8.10	-	5.00	-	25.50	25.50	4.00	6.38 M.M.D.	250 days	25,500
	2) Rock.	0.80	6.00	10.00	5.40	8.00	14.40	4.00	2.25 "	250 "	9,000
2.	Embankment. 1) Pervious.	2.50	1.50	3.50	4.20	8.80	13.00	4.00	2.94 "	250 "	9,500
	2) Impervious.	0.70	3.00	4.00	2.01	2.80	4.80	4.00	0.70 "	250 "	2,800
3.	Lining.	0.28	70.00 (Rate per Mcu.)	20.00	19.60	5.60	25.00	4.00	1.38 "	250 "	5,400
4.	C.D.Works.	200 Nos.	25,000 (Rate per Metre)	15,000	5.00	1.00	6.00	4.00	0.38 "	250"	1,500
5.	Tunnel	1200 Mtrs.	16,800	6,500	19.20	8.10	27.30	7.00	1.16 "	250 "	4,640
									Total.		58,340

ve/K.P.

UPPER KHERI PROJECT
KAMLESHWAR LEFT BANK CANAL.

Statement of Manual Labour required for Kamleshwar Left Bank Canal
Year 1978-79.

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum. Mate-rials.	Labour.	Cost (in Million Rupees) Mate-rials.	Labour	Total	Rate of Labour in Rs. per day.	Total No. of Man-days Mill. mandays.		working days in the year.	No. of labourers working at a time.
1.	Excavation:											
	i) Soil.	8.20	-	5.00	-	25.00	25.00	4.00	6.40	Mill	250 days	25,600
	ii) Rock	0.80	6.00	10.00	4.80	8.00	12.80	4.00	3.20	"	250 "	8,000
2.	Embankment:											
	i) Pervious.	2.80	1.00	2.00	2.80	5.60	8.40	4.00	2.10	"	250 "	8,400
	ii) Impervious	0.70	3.00	4.00	2.10	2.80	4.90	4.00	1.23	"	250 "	4,920
3.	Lining.	0.25	70.00	20.00	17.50	5.00	22.50	4.00	5.63	"	250 "	22,520
4.	C.D. works.	Nos.	(Rate per No.) 25,000	15,000	4.50	1.50	6.00	4.00	1.50	"	250 "	6,000
5.	[redacted] Tunnel	1,200 Rm	15,000	5,000	18.00	6.25	27.25	7.00	3.25	"	250 "	13,000
											Total	88,240

rr/2.2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL

Statement of Manual labour required for Narayanapur Left Bank Canal system.
Year 1977-78.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/cum. Materials.	Rate/cum. Labour.	Cost in Million Rupees. Materials.	Cost in Million Rupees. Labour	Cost in Million Rupees. Total.	Rate of Labour in Rs. per day.	Total No. of Man days required - Million Man days.		Working days in the year.	Number of labourers working at a time.
1.	Excavation.											
	1) Soil	6.10	-	5.00	-	30.50	30.50	4.00	7.62	MMD	250 Days	30,480
	2) Rock	0.90	6.00	10.00	5.40	9.00	14.40	4.00	2.25	"	250 "	9,000
2.	Embankments											
	1) Pervious	2.40	1.50	3.50	3.60	8.40	12.00	4.00	3.00	"	250 "	3,400
	2) Impervious.	0.60	5.00	4.00	1.80	2.40	04.20	4.00	0.60	"	250 "	2,400
3.	Lining	0.35	70.00	20.00	18.40	5.40	35.00	4.00	1.35	"	250 "	5,400
			(Rate per No.)									
4.	C.D.Works.	120 Nos.	25,000	15,000	4.20	1.80	6.00	4.00	0.45	"	250 "	1,800
5.	Tunnel.	1045 Mtr.	10,00	6,000	27.05	7.35	34.35	7.00	1.04	"	250 "	4,160
										Total.		66,700

rr/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL.

Statement of Manual Labour Required for Narayanpur Left Bank Canal System
Year 1974-75.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Materials.	Rate/Cum. Labour	Cost (in Million Rupees) Materials	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total.	Rate of Labour in Rs. per day.	Total No. of Man days MID-Million Man days.		Working days in the year.	No. of labourers working at a time.
1.	**Excavations**											
	1) Soil.	2.13		5.00	-	10.65	10.65	4.00	2.66	MID	250 Days	10,640
	2) Rock.	0.37	6.00	10.00	2.22	3.70	5.92	4.00	0.93	"	250 "	3,720
2.	**Embankments**											
	1) Pervious	2.00	1.50	2.50	3.00	5.25	8.25	4.00	1.31	"	250 "	5,240
	2) Impervious.	0.50	3.00	4.00	1.50	2.00	3.50	4.00	0.50	"	250 "	2,000
3.	Linings.	0.13	70.00	30.00	9.10	3.90	13.00	4.00	0.98	"	250 "	3,920
4.	C.D.Works	100 Nos	(Rate per No.) 25,000	15,000	2.50	1.50	5.00	4.00	0.37	"	250 "	1,480
5.	Tunnel.			-	-	-	-	-	-	-	-	-
											Total	27,000

rr/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL

Statement of Manual Labour Required for Narayanapur Left Bank Canal System
Year 1975-76.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. in Rupees: Rate-wise	Labour	Cost in Million Rupees: Rate-wise	Labour	Total	Rate of Labour in Rs. per days.	Total No.of Man days MMD-Million Man days.		Working days in the years.	No.of Labourers working at a time.
1.	Excavations.											
	1) Soil	1.70	-	5.00	-	8.50	8.50	4.00	2.12	MMD	250 days	8,480
	2) Rock.	0.30	6.00	10.00	1.80	3.00	4.80	4.00	0.75	"	250 "	3,000
2.	Embankments											
	1) Pervious	1.62	1.80	3.30	2.88	5.28	7.70	4.00	1.20	"	250 "	4,800
	2) Impervious	0.38	3.00	4.00	1.14	1.52	2.66	4.00	0.38	"	250 "	1,520
3.	Lining.	-	-	-	-	-	-	-	-	-	-	-
4.	C.D.Works.	72 Nos	(Rate Per No.) 25,000	15,000	2.52	1.08	3.60	4.00	0.27	MMD	250 "	1,080
5.	Tunnels.	-	-	-	-	-	-	-	-	-	-	
									Total.			18,880

vv/5.2.

STATEMENT OF MANUAL LABOUR REQUIRED FOR KHAYAMPUR DAM FOR YEAR 1970-71
(Peak Labour Strength)

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum Materials	Rate/Cum Labour.	Cost (in Million Rupees) Materials	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of labour in Rs.	Total No. M. Day	Working days in year.	No. of labourers.
			Rs	Rs							
1.	Excavation										
	In soil	0.04	...	5.00	...	0.20	0.20	4.00	0.05	250	200
	In Rock	0.06	6.00	10.00	0.36	0.60	0.96	4.00	0.15	250	600
2.	Masonry	0.08	35.00	35.00	2.70	2.70	5.40	4.00	0.675	250	2700
3.	Concrete	0.07	100.00	20.00	7.00	1.40	8.40	4.00	0.35	250	1400
4.	Embankment	0.60	7 x .30 = 2.1	7 x .70 = 4.90	1.26	2.94	4.20	4.00	0.735	250	2950
									Total:		7850
									Or say 8,000 Nos.		

Mk*

STATEMENT OF MANUAL LABOUR REQUIRED FOR ALMATTI DAM FOR YEAR 1971-1972 (Peak labour strength)

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum.		Cost (In Mill. Rupees)			Rate of labour in Rs.	Total No. M.M.Day	Working days in year	No. of labours
			Materials	Labour	Materials	Labour	Total				
1.	Excavation										
	In Soil	0.20 x .60 = .12		5.00	..	0.60	0.60	4.00	0.15	250	600
	In rock	0.20 x .40 = .08	6.00	10.00	0.48	0.80	1.28	4.00	0.20	250	800
2.	Concrete	0.14	100.00	20.00	14.00	2.80	16.80	4.00	3.70	250	2800
								Say: 4000Nos.			4200

RAIN FALL TABLE (in inches)

S.No.	Taluka	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Average	Total
1.	Shahapur Average of year 1961-68	0.41	0.18	0.30	0.73	0.86	4.78	5.35	4.26	8.20	3.71	0.66	0.72	2.51	30.80
2.	Shorapur Average of year 1962-68	0.05	0.25	0.15	0.58	0.53	3.80	4.48	5.62	8.88	2.96	1.16	0.68	2.38	28.50
3.	Sindgi Average of year 1963-68	0.33	0.34	0.16	0.04	1.34	3.62	4.60	3.23	7.24	2.87	0.67	0.22	2.06	24.72
4.	Jewargi Average of year 1963-68	0.30	0.93	0.66	0.14	0.236	0.55	0.58	5.97	8.22	5.86	0.13	..	1.88	22.50
5.	Indi Average of year 1958-68	0.054	0.81	0.32	0.76	1.35	4.56	5.39	4.27	6.46	2.82	0.60	0.14	2.10	25.20
	AVERAGE ...	0.19	0.52	0.30	0.41	0.70	3.00	3.09	4.25	6.85	3.26	0.56	0.38		25.25

Mr.

STATEMENT SHOWING SEASONAL AND ANNUAL NORMALS OF RAINFALL (Millimetres)

Sl. No.	District Station	Sub-basin	Number of years for calculating normals	January-February	March-May	June-September	October-December	Annual.
1	2	3	4	5	6	7	8	9
		MYSORE STATE						
	BELLARY							
4.	Hospet	K.B Tungabhadra	50	6.1	81.1	404.0	142.2	633.4

[Extract from the Report of The Krishna Godavari Commission (1961)
ANNEXURE 1 Page 32]

STATEMENT SHOWING EVAPORATION LOSSES IN KRISHNA-GODAVARI BASINS AND ADJOINING AREAS

Sl. No.	Station	Sub-basin	Year	Monthly evaporation losses in millimetres												Amount	Remarks.
				Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4.	Tungabhadra	K.8-Tungabhadra	1954	207	254	N.A	291	311	253	186	182	209	199	198	174	N.A*	*Not available
			1955	211	246	313	276	262	207	195	176	190	171	177	190	2612	
			1956	225	245	329	347	267	202	139	178	160	158	150	171	2531	
			1957	199	225	272	305	267	160	153	152	194	178	165	184	2454	
			1958	193	181	253	259	206	225	141	154	170	190	150	189	2211	
			1959	140	184	267	273	294	178	116	155	145	141	152	150	2191	
			1960	139	184	226	243	250	199	188	166	145	176	134	149	2197	
			1961	165	178	241	241	211	170	137	137	140	153	187	145	2045	

[Extract from the ~~Page~~ Report of The Krishna Godavari Commission, (1961), ANNEXURE I Page 40 & 41]

(a) Statement showing the Costs & Cost

Sl. No.	Year	Investment on Project in Mill. Rs.	Investment on Land Development & Development of Agr. in Million Rs.	Maintenance cost of irrigation system plus Adm. charges thereon at Rs. (5+3) per acre.	Total Cost in Million Rs.	Present Worth factor in 6% interest	Present Worth at 6% interest	Present Worth factor at 8% interest
1	2	3	4	5	6	7	8	9
1.	1st	100.00	1.350	-	101.350	0.9434	95.61	0.9259
2.	2nd	205.00	1.730	-	206.730	0.8900	184.00	0.8573
3.	3rd	215.00	1.697	-	216.697	0.8396	182.00	0.7938
4.	4th	205.00	2.069	-	207.069	0.7921	164.10	0.7350
5.	5th	205.00	43.513	-	248.513	0.7472	185.70	0.6806
6.	6th	70.00	43.197	1.00	114.197	0.7050	80.52	0.5902
7.	7th	40.00	31.386	2.20	73.786	0.6650	49.04	0.5835
8.	8th	-	28.645	4.20	32.845	0.6274	20.61	0.5408
9.	9th	-	23.740	6.20	29.940	0.5919	17.72	0.5002
10.	10th	-	19.805	7.20	27.005	0.5584	14.74	0.4632
11.	11th	-	15.762	8.08	23.842	0.5268	12.56	0.4289
12.	12th Yr	-	4.375	8.08	12.475	7.3890	92.21	4.6960
	[illegible]							
	[illegible]							
	[illegible] Yr.							
	Totals:-						1098.81	

MIC ANALYSIS FOR 50 YEAR.

tm at different rates of interest.

Present Worth t 8% nterest	Present Worth factor at 10% interest	Present Worth at 10% interest	Present Worth factor at 20% interest	Present Worth at 20% interest.
10	11	12	13	14
93.84	0.9090	92.12	0.8334	84.48
177.20	0.8264	167.90	0.6944	131.80
172.00	0.7513	162.90	0.5786	125.00
152.00	0.6829	141.90	0.4821	99.84
169.10	0.6209	154.90	0.4018	99.86
71.96	0.5644	64.48	0.3348	38.33
43.65	0.5131	37.85	0.2790	20.77
18.86	0.4665	15.98	0.2326	7.649
14.98	0.4240	12.70	0.1977	5.806
12.24	0.3855	10.18	0.1614	4.253
10.21	0.3504	8.35	0.1345	3.206
98.61	3.0920	38.67	0.959	6.976
993.62		926.25		630.200

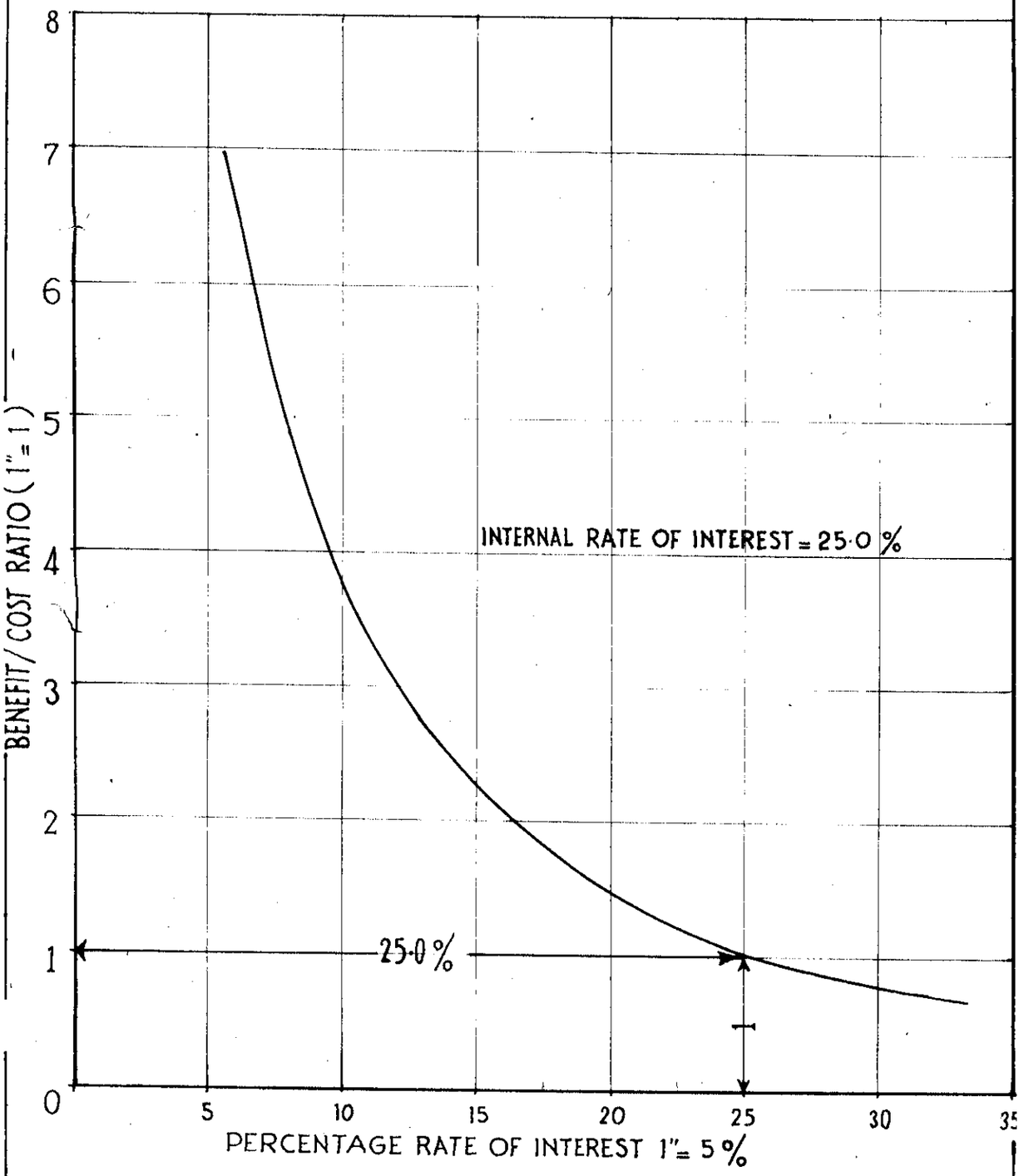
Hk*

| | | |

(b) Statement showing the Benefit Cost Ratio when future benefits and costs are discounted at different rates of interest.

Sl. No.	Rate of interest (Percentage)	Benefits in millions of Rs.	Costs in Millions of Rs.	B/C Ratio	Remarks.
1	6	7155.48	1098.81	6.51	
2	8	4858.46	993.62	4.89	
3	10	3493.69	926.26	3.75	
4	10	985.88	670. 20	1.47	
5	15	556.84	553.968	1.005	
6	16	[illegible]	484.65	[illegible]	

Mr. 8/6


BENEFIT/COST RATIO (1" = 1)
8
7
6
5
4
3
2
1
0
INTERNAL RATE OF INTEREST = 25·0 %
25·0 %
5
10
15
20
25
30
35
PERCENTAGE RATE OF INTEREST 1" = 5 %

A NOTE ON THE VISIT OF THE WORLD BANK / I.D.A. IRRIGATION ~~ASSISTANCE~~ MISSION TO UPPER KRISHNA PROJECT FROM 26TH TO 29TH JANUARY, 1969

- - - -

BRIEF DESCRIPTION OF THE VISIT OF THE MISSION:

1.1 The I.D.A. Mission arrived at Belgaum aerodrome on 26-1-1969 at 9-30 A.M. We were notified that the Mission had 3 days at their disposal instead of only 2 as intimated by Government of India. The Mission reached Bagalkot at lunch time. The Mission Leader, Mr. George Darnell explained that they would like to carry out reconnaissance mission of project appraisal by (1) visiting the project area and (2) discussing various aspects. Accordingly, in the afternoon the Engineering wing of the Mission visited the Right Bank of Almatti Dam and the Agricultural wing visited the State Farm near Haveli(Bagalkot). They halted at Bagalkot.

1.2 On the 27th instant, the Mission visited the Left Bank of Almatti Dam and arrived at Narayanpur for lunch. Enroute the Agricultural wing had also visited the lift irrigation schemes on the Krishna near Kolar. After lunch, the Engineering wing visited the Narayanpur Dam and the Agricultural Wing had a visit to the command area of left bank canal in Shahapur, Shorapur and Jevargi areas. The Mission halted at Bijapur on the 27th night.

1.3 On the 28th, the Mission visited Government and private Farms in the Ghataprabha area in Jamkhandi, Mudhol and Gokak Talukas and halted at Belgaum.

1.4 The Mission departed for Bombay on 29th Morning.

2. The final meeting took place on 28th evening at Belgaum.

2.1 The Mission raised certain points both during their inspection of the Project and in the final meeting on the 28th instant. The important amongst these points and the clarifications given thereon are indicated in the Note below enclosed.

POINTS RAISED	CLARIFICATIONS GIVEN
1. The Project now provides for 144% crop intensity for both Kharif and Rabi together, whereas it is desirable 3 crops are taken on every acre i.e. 300% intensity should be planned, even though it may mean reduction of the command to roughly half its present size.	The cropped intensity cannot be more than 144% for the first stage in view of limited available storage. For the Second & Final Stage (on completion of Almatti Dam) an intensity of 160% is planned on the 1.95 million acres. Further intensification involves additional storage at Almatti and this is not feasible in view of serious submergence problems as we have reached the extreme limit as it is. Also, since the project has to serve famine stricken areas, it is desirable to spread the benefits to the entire command available rather

than....

Points raised	Clarifications given
	thus provide moreintense irrigation on part of the command. With 160% intensity of cropping pattern, more intensive cropping is possible by tapping the underground supplies which are bound to build up in the command areas, eventually. In other words, the present pmkx planning results in maximum possible intensity for maximum command which is most desirable under the circumstances.
2. Research on land utilisation and water management in the ayacut area should be given a high priority. Mere construction of engineering infra structure would not lead to rapid utilisation of water, as the problems of development of a million acres under irrigation is quite a stupendous job. Steps may be taken to initiate training of adequate number of extension staff and engineering personnel for land improvement and agricultural practices.	Adequate provisions are made to meet these requirements.
3. Land acquisition for the dam, reservoirs and canals and resulting problems of rehabilitating the displaced persons should be handled expeditiously and systematically following a critical path procedure. Proper machinery has to be created right from now.	Special Rehabilitation Organisation, both in the Revenue Department and in the Public Works Department is provided for in the Project Estimate.
4. The Upper Krishna Project should not, in any way, conflict with existing rights of Andhra Pradesh or the final allocation of water.	The State would abide by the decision of the Tribunal on the sharing of Krishna-Godavari Waters in this regard. However, so far as the First Stage is concerned, the contemplated utilisation is only 105 T.M.Cft. of water, which is the utilisation to irrigate 6 lakh acres, as per the Upper Krishna Project I-Stage, approved by the Government of India, in the year 1963. The area under irrigation under the modified plan now contemplated is increased to 10.1 lakh acres with an intensity of 144% of the irrigated land. This is achieved by modifications in the cropping pattern so as to produce more food grains with the same volume of water, in the present context of Nation's food shortage. Paddy has been reduced from 25% to 2½% and Sugarcane has been omitted. Due account has now been taken of the effective rainfall contribution

Points raised	Clarifications given.
5. Adequate funds should be provided in the State Plan.	Though there has been a major difficulty in finding finances for the work so far, the State Government is anxious to execute the work and may allot at least Rs. 3 crores for the year 1969-70.
6. Steps should be taken to ensure that the cropping pattern planned is not materially infringed, as has been the case in the case of Tungabhadra Project.	Unlike the Tungabhadra Project, the cropping pattern covers practically all the cultivable land. Further, steps will be taken to control cultivation of sugarcane and paddy by:- i) authorising raising of paddy in water-logged areas only upto a maximum of 2½% of command. ii) authorising sugarcane and other perennials only on lands fit therefor in the head reaches only. iii) elsewhere, water will be supplied only for dry crops for 8 months. Irrigators will be permitted to grow perennials only if they dig their own wells. iv) any breach of the above regulation would be subjected to deterrent penalties.
7. Once the Project goes into operation an efficient organisation for the maintenance and operation of the entire irrigation system has to be planned well in advance.	As when as the channels are ready to supply water, construction staff would be converted into Management staff, with suitable training in problems of operation and maintenance of the system, taking into account the fact that management of irrigation involves public relations.
8. The team wanted to know the construction schedule of Almatti Dam till completion of the entire Scheme (both stages)	The construction Schedule was furnished. A copy is enclosed.
9. Whether the Storage shortages for the First Stage during the intervening period, before the construction of the Almatti Storage could be met from the Reservoir up-stream in the Mysore State itself.	It was explained that this is quite possible as there are two lakes under construction higher up on important tributaries of the Krishna, viz. Malaprabha and Ghataprabha. Since the Ghataprabha Right Bank Canal would not require its full planned storage of 27 T.M.Cft.during the first stage of the Upper Krishna Project, waters could be utilised from the storage at Hidkal to the required extent. Moreover, there would be a good amount of recharge of the Krishna River due to the percolation from over 8 lakh acres of irrigated lands under Malaprabha and Ghataprabha Canals.

Contd..4

Points raised.	Clarifications given.
10. Field duties considered viz. 120 acres per cusec for dry-cum-wet irrigation is rather on the high side.	The duties assumed in the Tungabhadra Project for such crops was still higher. The duties now proposed are based upon similar ayacuts of Ghataprabha Project and Tungabhadra Project. If necessary, modification in the design of the distribution system will be made after field studies of consumptive use of water are made in due course.
11. Good co-operation is observed between the Engineering and Agricultural Departments, in conceiving this Project and presenting this report. Still greater co-operation is desirable between the two departments during the construction development stage of the project for better results.	Adequate attention will be paid to this aspect.
12. There is need for adequate processing, drying and particularly storage facilities so as not to waste any portion of the hard won produce. This problem is posed particularly because the increase in agricultural produce coul be 7 to 8 times the present volume, after irrigation is introduced.	Adequate provisions have been made in the Agricultural side of the project estimate.
13. A good net-work of ayacut road communications is necessary to connect producing centres to consumer and marketing centres and storage points.	Adequate provision has been made in the Project Report.
14. Water rates so as to cover the entire operating expenses of the irrigation system may be levied, and the farmer may be involved substantially in the capital investment but not such an extent as to impair his efforts to produce more food.	The State Government have fixed water rates and there is an enactment for levy of Betterment contribution. The same could be reviewed.
15. The internal rate of return may be worked out.	The same is since worked out and calculations enclosed. The internal rate of interest comes to 25%
16. Particulars of the total number of the land holdings for the entire command area may be furnished. The holdings may be taken up in groups of (a) 0-5 acres (b) 5-10 acres (c) 10-15 acres (d) 15-20 acres etc.	The above details are not readily available. They will be compiled and furnished shortly.

Contd..5

Copies of certain extracts and statements furnished, desired by the Mission are enclosed.

3. The Mission informally admitted the following:-

i) Ours is the only State who have presented a Project integrating both Agriculture and Engineering aspects.

ii) Our Engineering staff was better organised than elsewhere and the Team was able to obtain any information at short notice.

The Mission was satisfied to know that the utilisation in the present proposals still remains 103 T.M.Cft. as provided in the sanctioned Project. The Mission felt no difficulty in recommending the First Stage.

5. The leader of the Mission concluded with the remark that the prospects of irrigation in the Upper Krishna Project area are very bright, agriculturists are receptive to irrigation and he saw in this, good auguries for successful launching of the Project.

Chief Engineer, P.W.D.,
Irrigation (North), Dharwar.

P A P E R S

HANDED OVER TO

I.D.A. MISSION

[redacted]

The maximum labour force required for the Dam and Canal works of Alamatti and Narayanapur is 71,000 Nos.

The population of the taluks in the command area is as under:-

1. Muddebihal	...	1.34 lakhs
2. Sindgi	...	1.82 -do-
3. Indi	...	1.76 -do-
4. Shorapu	...	1.37 -do-
5. Jewargi	...	1.11 -do-
6. Shahapur	...	1.32 -do-
Total		8.92 lakh or say 9 lakhs.

Out of this 1/3 is landless population depending on daily wages. 60% of this population can be taken to be adult working force who can be easily recruited for the construction work. In addition to this local labour, there is very good organised professional construction labour in the neighbouring District of Mahaboobnagar.

Further nearly 48,000 labour force that was engaged on the construction work of Nagarjunasagar Dam are seeking work elsewhere. Most of this labour can get gainful employment opportunity in this Project. Thus it can be said that there is no dearth of skilled or unskilled labour for this Project.

rls/S-G.

UPPER KRISHNA PROJECT

Abstract of cost (First stage and Final Stage Tentative)

		Cost in Rs. Crores.
1.	Almatti Dam and allied works (F.R.L.1730).	56-00
2.	Almatti Left Bank Canal (0.36 lakhs acres).	1-40
3.	Almatti Right Bank Canal (0.70 lakhs acres).	4.80
4.	Narayanapur Dam and allied works(F.R.L.1615).	30-40
5.	Narayanapur Left Bank Canal (10.10 lakh acres).	72-80
6.	Narayanapur Right Bank Canal (8 lakh acres).	20-80
7.	Cost of lift irrigation (3.36 lakh acres).	18-76
	Total	198-76 Crores
	or say	Rs.199 Crores

rln/5-2.

[illegible]

AIMATTI DAM AND ALLIED WORKS P.R.L. 2780

ABSTRACT OF COST

Sl. No.	Particulars		Cost in Rupees
1.	A. Preliminary	...	20.00
2.	B. Lands	...	3,200.00
3.	C. Works	...	1,700.00
4.	E. Buildings	...	60.00
5.	G. Miscellaneous	...	150.00
6.	P. Maintenance	...	55.00
7.	Special Tools and plants	...	100.00
			5,285.00
	Deduct receipts and recoveries on special tools and plant	...	75.00
			5,220.00
	Direct charges		
	Establishment charges including leave and pension charges etc. @ 7½	...	148.12 126.38
	Tools and plant charges at 1½	...	19.75
	Indirect charges		
	Audit charges and abatement land revenue at 1½.	...	19.75
	Total	...	5,407.62

Total Cost Rs. [illegible]

rln/5-8.

YEAR WISE % GROSS OF EXPENDITURE(IF ALMATTI AND OTHER CANAL INCLUDING LIFT ARE ALSO CONSIDERED)
(TYPE COST-NARRATIVE).

Sl No.	Name of work.	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	Total
	All figures in Lacs.											
1.	Almatti Dam and allied works.	1.00	2.80	2.80	4.00	4.00	9.00	9.00	9.00	6.00	7.00	56.60
2.	Narayanapur Dam and allied works.	3.00	5.00	5.00	4.00	3.40	-	-	-	-	-	20.40
3.	Almatti Left Bank Canal.	-	-	-	-	-	-	-	0.20	0.40	0.40	1.20
4.	Almatti Right Bank Canal.	-	-	-	-	-	-	1.00	1.20	1.20	1.00	4.20
5.	Narayanapur Left Bank Canal.	6.00	12.00	14.00	14.00	14.60	7.00	4.00	-	-	-	72.60
6.	Narayanapur Right Bank Canal.	-	-	-	-	-	5.00	6.00	8.00	6.00	4.60	29.60
7.	Lift Irrigation from the Reservoir and Canal(2.56 lakh acres).	-	-	-	-	-	-	-	2.00	7.00	7.76	16.76
	Total	10.00	20.80	21.80	28.00	21.00	21.00	20.00	20.80	20.70	20.46	198.76

UPPER KRISHNA PROJECT
NARAYANPUR LEFT BANK CANAL.
STATEMENT OF MANUAL LABOUR REQUIRED FOR NARAYANPUR LEFT BANK CANAL
YEAR 1969-70.

Sl. No.	Particulars	Quantity in Million Cums.	Rate/Cum Material Rs.	Rate/Cum Labour Rs.	Cost (in Million Rupees) Material.	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of labour in hr. per day.	Total No. of Mhn day Mill-ion Man days.		Working days in the year.	No. of labour-ers working at a time.
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavation											
	i) In Soil.	2.85	-	5.00		12.75	12.75	4.00	3.19	M.M.D.	280 days	12,760
	ii) In Rock	0.45	6.00	10.00	2.70	4.50	7.20	4.00	1.12	"	280 days	4,500
2.	Banking											
	i) Pervious	1.20	1.80	3.50	1.80	4.20	6.00	4.00	1.05	"	280 days	4,200
	ii) Impervious	0.30	3.00	4.00	0.90	1.20	2.10	4.00	0.30	"	280 days	1,200
3.	Lining.	-	70.00 (Rate per Mo.)	30.00	-	-	-	-	-		-	-
4.	C.D.Works.	60 Nos.	35,000	15,000	5.26	9.75	6.00	4.00	0.19		280 days	760
5.	Tunnel.	-	-	-	-	-	-	-	-		-	-
										Total		23,420

rln/5-8.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL
STATEMENT OF MANUAL LABOUR REQUIRED FOR NARAYANAPUR LEFT BANK CANAL
YEAR [illegible]-71.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Material Rs.	Rate/Cum. Labour Rs.	Cost (in Million Rupees) Material	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of labour in Rs. per day.	Total No. of day	No. of Man-Mid-Mill mandays.	Working days in the year.	No. of labourers working at a time.
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavation											
	1. Soil.	4.62	-	5.00	-	22.10	23.10	4.00	5.78	M.M.D.	250 days	28,900
	2. Rock	0.78	6.00	10.00	4.68	7.80	12.48	4.00	1.95	"	250 days	7,800
2.	Embankment											
	1. Impervious	2.00	1.50	3.50	3.00	7.00	10.00	4.00	1.75	"	250 days	7,000
	2. Impervious	0.80	2.00	4.00	1.60	3.20	4.80	4.00	0.80	"	250 days	3,200
3.	Lining.	0.16	70.00	80.00	10.80	4.80	15.00	4.00	1.18	"	250 days	4,800
4.	C.D.works	80 Nos	(Rate per No.) 25,000.00	15,000.00	2.00	0.48	2.48	4.00	0.10	"	250 days	400
5.	Tunnel.	800 mtrs.	(Rate per mtr) 15,000.00	6,800	12.00	5.44	18.84	7.00	0.78	"	250 days	3,120
											Total	65,220

rln/5-8.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL.

Statement of manual labour required for Narayanapur Left Bank Canal
Year - 1972-73.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate / Cum. Material.	Rate / Cum. Labour.	Cost (in Million Rupees) Material.	Cost (in Million Rupees) Labour.	Cost (in Million Rupees) Total.	Rate of Labour in Rs.	Total No. of Manday Mill-ion Man days.		working days in the year.	No.of labourers working at a time.
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavations											
	1) Soil.	5.10	-	5.00	-	25.50	25.50	4.00	6.38	M.M.D.	280 days	25,500
	2) Rock.	0.90	6.00	10.00	5.40	9.00	14.40	4.00	2.25	"	280 "	9,000
2.	Embankments											
	1) Pervious.	2.80	1.50	3.50	4.20	9.80	14.00	4.00	2.34	"	280 "	9,300
	2) Impervious.	0.70	3.00	4.00	2.01	2.80	4.80	4.00	0.70	"	280 "	2,800
3.	Lining.	0.18	70.00 (Rate per No.)	30.00	12.60	5.40	18.00	4.00	1.38	"	280 "	5,400
4.	C.D.Works.	200 Nos.	25,000 (Rate per Metre	15,000	5.00	1.50	6.00	4.00	0.38	"	280"	1,500
5.	Tunnel	1200 Mtrs.	16,800	6,800	19.20	8.10	27.30	7.00	1.16	"	20 "	4,640
									Total.			56,640

rr/5-3.

UPPER KHARGA PROJECT
HARSHARANPUR LEFT BANK CANAL.

Statement of Manual Labour required for Haraynagpur Left Bank Canal.
Year 1972-73.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Rate- wise.	Labour.	Cost (in Million Rupees) Rate- wise.	Labour	Total	Rate of Labour in Nos. per day.	Total No. of Man-days. MMD= Mill. mandays.		Working days in the year.	No. of labourers working at a time.
1.	Excavations											
	1) Soil.	8.10	-	5.00	-	25.30	25.30	4.00	8.40	MMD	300 days	35,000
	2) Rock	0.90	6.00	10.00	5.40	9.00	14.40	4.00	2.25	"	300 "	9,000
2.	Embankments											
	1) Pervious.	2.80	1.50	3.50	4.20	9.30	14.00	4.00	2.45	"	300 "	9,000
	2) Impervious	0.70	3.00	4.00	2.10	2.80	4.90	4.00	0.68	"	300 "	2,800
3.	Linings.	0.18	70.00	20.00	12.60	5.40	18.00	4.00	1.57	"	300 "	6,450
4.	C.D.Works.	200 Nos.	@Rate per No. 25,000	15,000	4.20	1.80	6.00	4.00	0.45	"	300 "	1,800
5.	[redacted] Tunnel	1,200	No 15,000	6,800	18.20	8.16	27.36	7.00	1.16	"	300 "	4,560
											Total	69,060

rv/5.2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL

Statement of Annual labour required for Narayanapur Left Bank Canal system
Year 1972-73.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/cum. Mate-rials.	Rate/cum. Labour.	Cost in Million Rupees Mate-rials.	Cost in Million Rupees Labour	Cost in Million Rupees Total.	Rate of Labour in Rs. per day.	Total No. of Man days MMD. Million Man days.		Working days in the year.		Number of labourers working at a time.
1.	Excavation.												
	1) Soil	5.10	-	5.00	-	25.50	25.50	4.00	6.37	MMD	250	Days	25,480
	2) Rock	0.90	6.00	10.00	5.40	9.00	14.40	4.00	3.60	"	250	"	9,000
2.	Embankment.												
	1) Pervious	2.40	1.50	3.50	3.60	8.40	12.00	4.00	3.00	"	250	"	8,400
	2) Impervious.	0.60	3.00	4.00	1.80	2.40	04.20	4.00	0.60	"	250	"	2,400
3.	Lining	0.15	70.00	30.00	10.50	5.40	15.00	4.00	1.35	"	250	"	5,400
4.	C.D.Works.	120 Nos.	(Rate per No.) 25,000	15,000	4.20	1.80	6.00	4.00	0.45	"	250	"	1,800
5.	Tunnel.	1068 Mtr.	16.00	6,800	17.06	7.26	24.32	7.00	1.04	"	250	"	4,160
										Total.			56,700

rr/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL .

Statement of Manual Labour Required for Narayanapur Left Bank Canal System
Year 1974-75.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Materials.	Rate/Cum. Labour	Cost (in Million Rupees) Materials	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total.	Rate of Labour in No. per day.	Total No. of Man days MKD-Million Man days.		Working days in ## the year.	No. of labourers working at a time.
1.	Excavations											
	1) Soil.	8.12	-	5.00	-	30.65	30.65	4.00	2.06	MKD	250 Days	10,640
	2) Rock.	0.37	6.00	10.00	2.22	3.70	5.92	4.00	0.93	"	250 "	3,720
2.	Embankments											
	1) Pervious	2.00	1.50	3.00	3.00	5.25	8.25	4.00	1.31	"	250 "	5,240
	2) Impervious.	0.60	3.00	4.00	1.80	2.40	3.20	4.00	0.60	"	250 "	2,000
3.	Lining.	0.12	70.00 (Rate per Mcu.)	30.00	8.10	3.90	12.00	4.00	0.98	"	250 "	3,920
4.	C.D.Works	300 Nos	25,000	15,000	3.60	1.80	5.00	4.00	0.37	"	250 "	1,480
5.	Tunnel.	-	-	-	-	-	-	-	-	-	-	-
											Total	27,000

TT/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL

Statement of Manual Labour Required for Narayanpur Left Bank Canal System
Year 1975-76.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Mate-rials.	Labour	Cost (in Million Rupees) Mate-rials	Labour	Total	Rate of Labour in Rs. per days.	Total No.of Man days MMD-Million Man days.		Working days in the years	No.of Labourers working at a time.
1.	Excavations.											
	1) Soil	1.70	-	5.00	-	8.50	8.50	4.00	2.12	MD	250 days	8,480
	2) Rock.	0.30	6.00	10.00	1.80	3.00	4.80	4.00	0.75	"	250 "	2,000
2.	Embankments.											
	1) Pervious	1.52	1.30	3.50	2.38	5.32	7.30	4.00	1.30	"	250 "	5,200
	2) Impervious	0.35	3.00	4.00	1.14	1.52	2.66	4.00	0.38	"	250 "	1,520
3.	Lining.	-	-	-	-	-	-	-	-	-	-	-
4.	C.D.Works	72 Nos	(Rate Per No.) 25,000	15,000	2.52	1.08	3.60	4.00	0.27	MD	250 "	1,080
5.	Tunnel.	-	-	-	-	-	-	-	-	-	-	
										Total.		18,280

rr/5.2.

STATEMENT OF MANUAL LABOUR REQUIRED PER MAN HOUR DAM FOR YEAR 1970-71
(Peak Labour Strength)

Sl. No.	Particulars.	Quantity in Mill. cum.	Rate/Cum		Cost (in Million Rupees)			Rate of labour in Rs.	Total No. M. Day	Working days in year.	No. of labourers.
			Materials	Labour.	Materials	Labour	Total				
			Rs	Rs							
1.	Excavation										
	In soil	0.04	...	5.00	...	0.20	0.20	4.00	0.05	250	200
	In Rock	0.06	6.00	10.00	0.36	0.60	0.96	4.00	0.15	250	600
2.	Masonry	0.08	35.00	35.00	2.70	2.70	5.40	4.00	0.675	250	2700
3.	Concrete	0.07	100.00	20.00	7.00	1.40	8.40	4.00	0.35	250	1400
4.	Embankment	0.60	7 x .30 = 2.1	7 x .70 = 4.90	1.26	2.94	4.20	4.00	0.735	250	2950
									Total:		7850
									Or say 8,000 Nos.		

STATEMENT OF MANUAL LABOUR REQUIRED FOR ALMATTI DAM FOR YEAR 1971-1972 (Peak labour strength)

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum		Cost (In Mill. Rupees)			Rate of labour in Rs.	Total No. M.M.Day	Working days in year	No. of labourer
			Materials	Labour	Materials	Labour	Total				
1.	Excavati										
	In Soil	0.20 x .60 = .12	..	5.00	..	0.60	0.60	4.00	0.15	250	600
	In rock	0.20 x .40 = .08	6.00	10.00	0.48	0.80	1.28	4.00	0.20	250	800
2.	Concrete	0.14	100.00	20.00	14.00	2.80	16.80	4.00	0.70	250	2800
							Say: 4000Nos.				4200

Mk*

RAIN FALL [illegible] (in inches)

S.No.	Taluka	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Average	Total
1.	Shahapur Average of year 1961-68	0.41	0.18	0.30	0.73	0.86	4.78	5.35	4.26	8.20	3.71	0.66	0.72	2.51	30.10
2.	Shorapur Average of year 1962-68	0.05	0.23	0.15	0.38	0.53	3.80	4.48	5.62	8.38	2.96	1.16	0.68	2.38	28.50
3.	Sindgi Average of year 1963-68	0.33	0.34	0.16	0.04	1.34	3.62	4.60	3.25	7.24	2.87	0.67	0.22	2.06	24.72
4.	Jewargi Average of year 1963-68	0.30	0.93	0.66	0.14	0.256	0.55	0.58	5.97	8.22	5.86	0.13	..	1.88	22.50
5.	Indi Average of year 1952-68	0.054	0.81	0.32	0.76	1.35	4.56	5.39	4.27	6.46	2.82	0.60	0.14	2.10	25.20
	AVERAGE ...	0.19	0.32	0.30	0.41	0.70	3.00	3.09	4.25	6.85	3.26	0.56	0.32		25.25

STATEMENT SHOWING SEASONAL AND ANNUAL NORMALS OF RAINFALL (Millimetres)

Sl. No.	District Station	Sub-basin	Number of years for calculating normals	January-February	March-May	June-September	October-December	Annual.
1	2	3	4	5	6	7	8	9
			MYSORE STATE					
	BELLARY							
4.	Hospet	T.B. Dam	50	6.1	81.1	404.0	142.2	633.4

[Extract from the Report of The Krishna Godavari Commission (1961), ANNEXURE I Page 32]

STATEMENT SHOWING EVAPORATION LOSSES IN KRISHNA-GODAVARI BASINS AND ADJACENT AREAS

Sl. No.	Station	Sub-basin	Year	Monthly evaporation losses in millimetres												Remarks.
				Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4.	Tungabhadra	K.8-Tungabhadra	1954	207	254	[illegible]	291	311	253	196	182	209	199	198	174	[illegible]	*Not available
			1955	211	246	313	276	262	207	193	176	190	171	177	190	2612	
			1956	225	245	329	347	247	202	139	178	160	158	130	171	2531	
			1957	199	225	272	305	247	180	153	132	194	178	165	184	2434	
			1958	193	191	253	239	206	225	141	154	170	190	150	129	2211	
			1959	140	184	267	275	294	178	116	153	143	141	152	150	2191	
			1960	139	184	286	243	250	199	188	166	143	176	134	149	2197	
			1961	165	178	241	241	211	170	157	157	140	153	127	145	2045	

[Extract from the Report of The Krishna Godavari Commission (1961), ANNEXURE I Page 40 & 41]

SC[illegible]MIC ANALYSIS FOR 50 YEARS

(a) Statement showing the Costs & Ben[illegible]its at different rates of interest.

Sl. No.	Year	COSTS							BENEFITS				
		Investment on Project in Mill. Rs.	Investment on Land Development & Development of Agr. in Million Rs.	Maintenance cost of irrigation system plus Admn. charges thereon at Rs. (5+3) per acre.	Total Cost in Million Rs.	Present water Work factor in 6% interest	Present water Work at 6% interest	Present water Work factor at 8% interest	Present water Work at 8% interest	Present water Work factor at 10% interest	Present water Work at 10% interest	Present water Work factor at 20% interest	Present water Work at 20% interest.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	1st	100.00	1.360	-	101.360	0.9494	95.61	0.9259	93.84	0.9090	92.12	0.8334	84.48
2.	2nd	205.00	1.730	-	206.730	0.8900	184.00	0.8573	177.20	0.8264	187.90	0.6944	134.00
3.	3rd	215.00	1.697	-	216.697	0.8396	182.00	0.7938	172.00	0.7513	162.90	0.5786	125.00
4.	4th	205.00	2.069	-	207.069	0.7921	164.10	0.7350	152.00	0.6829	141.50	0.4821	99.84
5.	5th	205.00	43.513	-	248.513	0.7472	185.70	0.6806	169.10	0.6209	154.30	0.4018	99.86
6.	6th	70.00	43.197	1.00	114.197	0.7050	80.52	0.6302	71.96	0.5644	64.48	0.3348	38.13
7.	7th	40.00	51.526	2.20	73.726	0.6650	49.04	0.5835	43.03	0.5131	37.84	0.2790	20.57
8.	8th	-	28.645	4.20	32.845	0.6274	20.61	0.5403	18.86	0.4665	15.32	0.2328	7.649
9.	9th	-	25.740	6.20	29.940	0.5919	17.72	0.5002	14.98	0.4240	12.70	0.1957	5.806
10.	10th	-	19.205	7.20	26.405	0.5584	14.74	0.4632	12.24	0.3855	10.18	0.1614	4.263
11.	11th	-	15.762	8.08	23.842	0.5268	12.56	0.4289	10.21	0.3504	8.35	0.1345	3.206
12.	12th Yr [illegible]wards [illegible]pto 50th Yr.	-	4.375	8.08	12.475	7.3890	92.21	4.6960	58.61	3.0980	38.67	0.559	6.976
	Total:-						1098.81		993.62		926.26		630.200

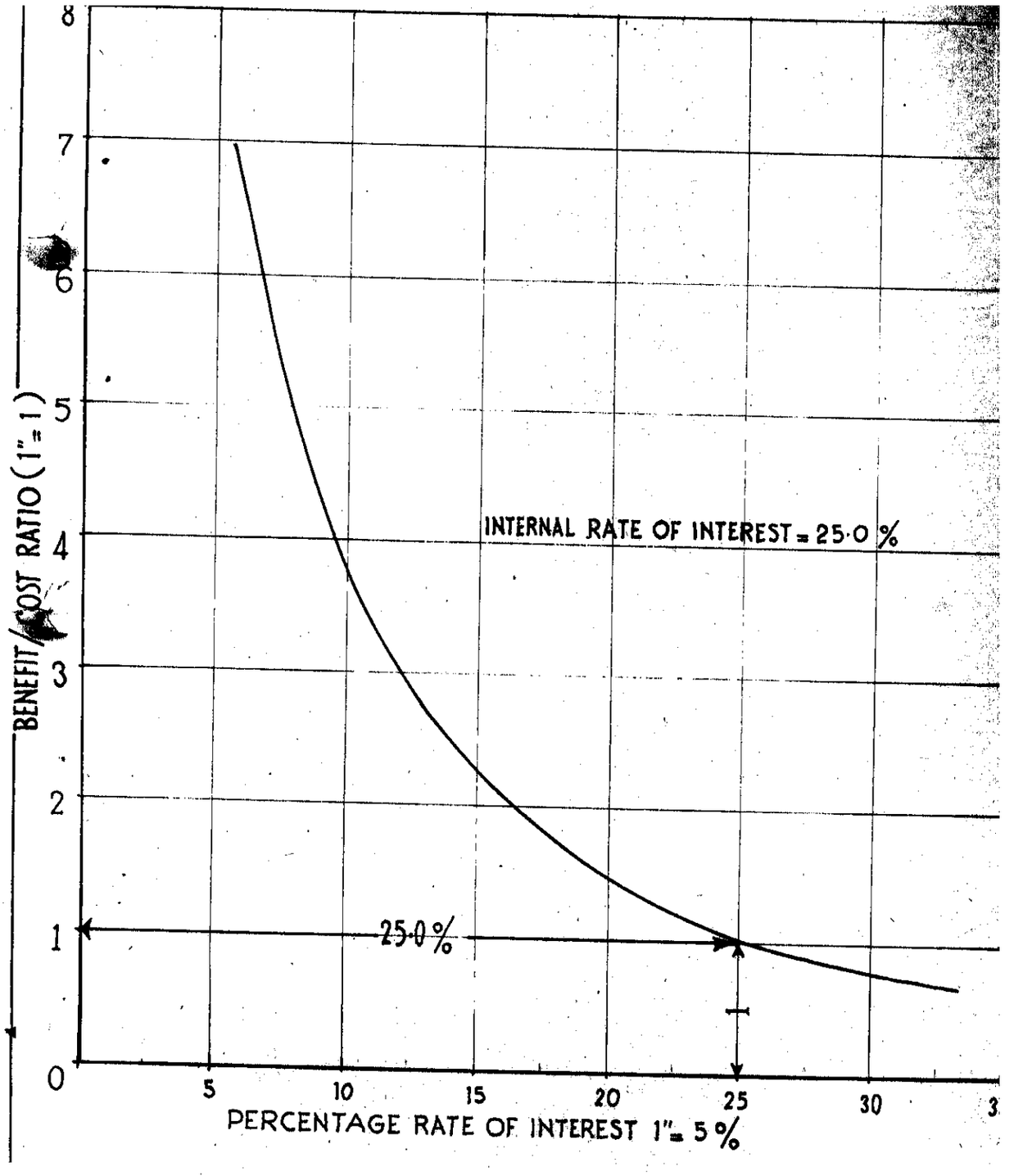
Mr* [illegible]

Present worth factor at 30% interest	Present worth at 30% interest	Present worth factor at 25% interest	Present worth at 25% interest	BENEFITS							Remarks.
				Yearwise benefits	Present worth at 6% interest rate	Present worth at 8% interest rate	Present worth at 10% interest Rate	Present worth at 20% interest Rate	Present worth at 30% interest Rate	Present worth at 25% interest Rate	
15	16	17	18	19	20	21	22	23	24	25	26
0.7700	78.07	0.8000	81.1[illegible]	-	-	-	-	-	-	-	
0.5917	122.30	0.6400	132.[illegible]	-	-	-	-	-	-	-	
0.4490	97.31	0.5121	111.[illegible]	-	-	-	-	-	-	-	
0.3502	72.54	0.4097	84.[illegible]	-	-	-	-	-	-	-	
0.2635	66.97	0.3277	81.[illegible]	-	-	-	-	-	-	-	
0.2073	25.68	0.2622	29.[illegible]	93.59	[illegible]	[illegible]	52.85	31.25	19.40	24.53	
0.1593	11.75	0.2097	15.[illegible]	205.89	[illegible]	[illegible]	105.60	57.45	32.81	43.18	
0.1227	4.031	0.1678	5.[illegible]	393.06	[illegible]	[illegible]	183.40	91.52	48.22	65.97	
0.0944	2.826	0.1343	4.[illegible]	580.24	[illegible]	[illegible]	246.00	112.50	54.74	77.91	
0.0726	1.918	0.1074	2.[illegible]	673.82	[illegible]	[illegible]	259.80	108.70	48.95	72.38	
0.0554	1.319	0.0859	2.[illegible]	756.19	[illegible]	[illegible]	265.00	101.70	41.85	64.97	
0.1550	1.934	0.2750	5.[illegible]	756.19	[illegible]	3551.[illegible]	2341.00	422.70	117.10	207.90	
	484.648		59[illegible]		7[illegible]	485[illegible]	[illegible]	925.82			
							3453.65		363.05	556.84	

(b) Statement showing the Benefit Cost Ratio when future benefits and costs are discounted at different rates of interest.

Sl. No.	Rate of interest (Percentage)	Benefits in millions of Rs.	Costs in Millions of Rs.	B/C Ratio	Remarks.
1	6	7155.48	1098.81	6.51	
2	8	4858.46	993.62	4.89	
3	10	3453.63	926.26	3.73	
4	20	925.82	630. 20	1.47	
5	25	556.84	553.962	1.005	
6	30	363.05	484.65	0.75	

Rs* 21/6/2


BENEFIT/COST RATIO (1" = 1)
8
7
6
5
4
3
2
1
0
INTERNAL RATE OF INTEREST = 25·0 %
25·0 %
5
10
15
20
25
30
PERCENTAGE RATE OF INTEREST 1" = 5 %

A NOTE ON THE VISIT OF THE WORLD BANK / I.D.A. IRRIGATION RECONNAISSANCE MISSION TO UPPER KRISHNA PROJECT FROM 26TH TO 28TH JANUARY, 1969

- - - -

BRIEF DESCRIPTION OF THE VISIT OF THE MISSION:

1.1 The I.D.A. Mission arrived at Belgaum aerodrome on 26-1-1969 at 9-30 A.M. We were notified that the Mission had 3 days at their disposal instead of only 2 as intimated by Government of India. The Mission reached Bagalkot at lunch time. The Mission Leader, Mr. George Darnell explained that they would like to carry out reconnaissance mission of project appraisal by (1) visiting the project area and (2) discussing various aspects. Accordingly, in the afternoon the Engineering wing of the Mission visited the Right Bank of Almatti Dam and the Agricultural wing visited the State Farm near Haveli(Bagalkot). They halted at Bagalkot.

1.2 On the 27th instant, the Mission visited the Left Bank of Almatti Dam and arrived at Narayanpur for lunch. Enroute the Agricultural wing had also visited the lift irrigation schemes on the Krishna near Kolar. After lunch, the Engineering wing visited the Narayanpur Dam and the Agricultural Wing had a visit to the command area of left bank canal in Shahapur, Shorapur and Jevargi areas. The Mission halted at Bijapur on the 27th night.

1.3 On the 28th, the Mission visited Government and private Farms in the Ghataprabha area in Jamkhandi, Mudhol and Gokak Talukas and halted at Belgaum.

1.4 The Mission departed for Bombay on 29th Morning.

2. The final meeting took place on 28th evening at Belgaum.

2.1 The Mission raised certain points both during their inspection of the Project and in the final meeting on the 28th instant. The important amongst these points and the clarifications given thereon are indicated in the Note enclosed below.

POINTS RAISED	CLARIFICATIONS GIVEN
1. The Project now provides for 144% crop intensity for both Kharif and Rabi together, whereas it is desireble 3 crops are taken on every acre i.e. 300% intensity should be planned, even though it may mean reduction of the command to roughly half its present size.	The cropped intensity cannot be more than 144% for the first stage in view of limited available storage. For the Second & Final Stage (on completion of Almatti Dam) an intensity of 160% is planned on the 1.95 million acres. Further intensification involves additional storage at Almatti and this is not feasible in view of serious sub-mergence problems as we have reached the extreme limit as it is. Also, since the project has to serve famine stricken areas, it is desirable to spread the benefits to the entire command available rather

than....

Points raised	Clarifications given
	them provide more intense irrigation on part of the command. With 160% intensity of cropping pattern, more intensive cropping is possible by tapping the underground supplies which are bound to build up in the command areas, eventually. In other words, the present ayacut planning results in maximum possible intensity for maximum command which is most desirable under the circumstances.
2. Research on land utilisation and water management in the ayacut area should be given a high priority. Mere construction of engineering infra structure would not lead to rapid utilisation of water, as the problems of development of a million acres under irrigation is quite a stupendous job. Steps may be taken to initiate training of adequate number of extension staff and engineering personnel for land improvement and agricultural practices.	Adequate provisions are made to meet these requirements.
3. Land acquisition for the dam, reservoirs and canals and resulting problems of rehabilitating the displaced persons should be handled expeditiously and systematically following a critical path procedure. Proper machinery has to be created right from now.	Special Rehabilitation Organisation, both in the Revenue Department and in the Public Works Department is provided for in the Project Estimate.
4. The Upper Krishna Project should not, in any way, conflict with existing rights of Andhra Pradesh or the final allocation of water.	The State would abide by the decision of the Tribunal on the sharing of Krishna-Godavari waters in this regard. However, so far as the First Stage is concerned, the contemplated utilisation is only 103 T.M.Cft. of water, which is the utilisation to irrigate 6 lakh acres, as per the Upper Krishna Project 1-Stage, approved by the Government of India, in the year 1963. The area under irrigation under the modified plan now contemplated is increased to 10.1 lakh acres with an intensity of 144% of the irrigated land. This is achieved by modifications in the cropping pattern so as to produce more food grains with the same volume of water, in the present context of Nation's food shortage. Paddy has been reduced from 25% to 2½% and Sugarcane has been omitted. Due account has now been taken of the effective rainfall contribution

Points raised	Clarifications given.
5. Adequate funds should be provided in the State Plan.	Though there has been a major difficulty in finding finances for the work so far, the State Government is anxious to execute the work and may allot at least Rs. 3 crores for the year 1969-70.
6. Steps should be taken to ensure that the cropping pattern planned is not materially infringed, as has been the case in the case of Tungabhadra Project.	Unlike the Tungabhadra Project, the cropping pattern covers practically all the cultivable land. Further, steps will be taken to control cultivation of sugarcane and paddy by:- i) authorising raising of paddy in water-logged areas only upto a maximum of 25% of command. ii) authorising sugarcane and other perennials only on lands fit therefor in the head reaches only. iii) elsewhere, water will be supplied only for dry crops for 8 months. Irrigators will be permitted to grow perennials only if they dig their own wells. iv) any breach of the above regulation would be subjected to deterrent penalties.
7. Once the Project goes into operation an efficient organisation for the maintenance and operation of the entire irrigation system has to be planned well in advance.	As soon as the channels are ready to supply water, construction staff would be converted into Management staff, with suitable training in problems of operation and maintenance of the system, taking into account the fact that management of irrigation involves public relations.
8. The team wanted to know the construction schedule of Almatti Dam till completion of the entire Scheme (both stages)	The construction Schedule was furnished. A copy is enclosed.
9. Whether the Storage shortages for the First Stage during the intervening period, before the construction of the Almatti Storage could be met from the Reservoir up-stream in the Mysore State itself.	It was explained that this is quite possible as there are two lakes under construction higher up on important tributaries of the Krishna, viz. Malaprabha and Ghataprabha. Since the Ghataprabha Right Bank Canal would not require its full planned storage of 27 T.M.C.ft. during the first stage of the Upper Krishna Project, waters could be utilised from the storage at Hidkal to the required extent. Moreover, there would be a good amount of recharge of the Krishna River due to the percolation from over 8 lakh acres of irrigated lands under Malaprabha and Ghataprabha Canals.

Contd..4

Points raised.	Clarifications given.
10. Field duties considered viz. 120 acres per cusec for dry-cum-wet irrigation is rather on the high side.	The duties assumed in the Tungabhadra Project for such crops was still higher. The duties now proposed are based upon similar ayacuts of Ghataprabha Project and Tungabhadra Project. If necessary, modification in the design of the distribution system will be made after field studies of consumptive use of water are made in due course.
11. Good co-operation is observed between the Engineering and Agricultural Departments, in conceiving this Project and presenting this report. Still greater co-operation is desirable between the two departments during the construction development stage of the project for better results.	Adequate attention will be paid to this aspect.
12. There is need for adequate processing, drying and particularly storage facilities so as not to waste any portion of the hard won produce. This problem is posed particularly because the increase in agricultural produce could be 7 to 8 times the present volume, after irrigation is introduced.	Adequate provisions have been made in the Agricultural side of the project estimate.
13. A good net-work of ayacut road communications is necessary to connect producing centres to consumer and marketing centres and storage points.	Adequate provision has been made in the Project Report.
14. Water rates so as to cover the entire operating expenses of the irrigation system may be levied, and the farmer may be involved substantially in the capital investment but not such an extent as to impair his efforts to produce more food.	The State Government have fixed water rates and there is an enactment for levy of Betterment contribution. The same could be reviewed.
15. The internal rate of return may be worked out.	The same is since worked out and calculations enclosed. The internal rate of interest comes to 25%
16. Particulars of the total number of the land holdings for the entire command area may be furnished. The holdings may be taken up in groups of (a) 0-5 acres (b) 5-10 acres (c) 10-15 acres (d) 15-20 acres etc.	The above details are not readily available. They will be compiled and furnished shortly.

Copies of certain extracts and statements furnished, as desired by the Mission are enclosed.

3. The Mission informally admitted the following:-

i) Ours is the only State who have presented a Project integrating both Agriculture and Engineering aspects.

ii) Our Engineering staff was better organised than elsewhere and the Team was able to obtain any information at short notice.

4. The Mission was satisfied to know that the utilisation in the present proposals still remains 103 T.M.Cft. as provided in the sanctioned Project. The Mission felt no difficulty in recommending the First Stage.

5. The leader of the Mission concluded with the remark that the prospects of irrigation in the Upper Krishna Project area are very bright, agriculturists are receptive to irrigation and he saw in this, good auguries for successful launching of the Project.

Chief Engineer, P.W.D.,
Irrigation (North), Dharwar.

Mks4/2

PAPERS

HANDED OVER TO

I.D.A. MISSION

[illegible] FOR STAGE I & II OF KOYNA SCHEME

The maximum labour force required for the Dam and Canal works of Alamtti and Narayanapur is 71,000 Nos.

The population of the taluks in the command area is as under:-

1. Muddebihal	...	[illegible]
2. Sindgi	...	1.82 -do-
3. Indi	...	1.76 -do-
4. Chorapur	...	1.37 -do-
5. Jewargi	...	1.11 -do-
6. Shahapur	...	1.38 -do-
	Total	8.82 lakh or say 9 lakhs.

Out of this 1/3 is landless population depending on daily wages. 60% of this population can be taken to be adult working force who can be easily recruited for the construction work. In addition to this local labour, there is very good organised professional construction labour in the neighbouring District of Gulbarga.

Further nearly 48,000 labour force that was engaged on the construction work of Nagarjunasagar Dam are seeking work elsewhere. Most of this labour can get gainful employment opportunity in this Project. Thus it can be said that there is no dearth of skilled or unskilled labour for this Project.

rln/2-4.

[illegible] PROJECT

Abstract of cost (First and Final Stage Tentative)

		Cost in Rs. Crores.
1.	Almatti Dam and allied works (F.R.L.1720).	56-00
2.	Almatti Left Bank Canal (3.36 lakhs acres).	1-20
3.	Almatti Right Bank Canal (0.70 lakhs acres).	4.80
4.	Narayanapur Dam and allied works (F.R.L.1516).	20-40
5.	Narayanapur Left Bank Canal (10.30 lakh acres).	72-60
6.	Narayanapur Right Bank Canal (5 lakh acres).	29-80
7.	Cost of lift irrigation (3.36 lakh acres).	12-75
	Total	198-75 Crores
	or say	Rs.198 Crores

rlm/5-2.

MOTOR ENGINE PLANT

ALMATTI DAM AND ALLIED WORKS P.W.D. 1720

ABSTRACT OF COST

Sl. No.	Particulars		Cost in Rupees
1.	A. Preliminary	...	20.00
2.	B. Lands	...	3,200.00
3.	C. Works	...	1,700.00
4.	D. Buildings	...	60.00
5.	E. Miscellaneous	...	180.00
6.	F. Maintenance	...	66.00
7.	G. Special Tools and plants	...	100.00
			5,326.00
	Deduct receipts and recoveries on special tools and plant	...	75.00
			5,320.00
	Direct charges		
	Establishment charges in clusing leave and pension charges etc. @ 7½%	...	148.12
	Tools and plant charges @ 1%	...	19.78
	Indirect charges		
	Audit charges and abatement land revenue at 1%.	...	19.76
	Total	...	5,507.66

Total cost Rs.5½ Crores.

rln/3-8.

Year wise programme of expenditure(If already and other canal including LPI are also continued)
(Total cumulative).

Name of work.	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	Total
All figures in Rupees.											
Almatti Dam and allied works.	1.00	2.80	2.80	4.00	4.00	9.00	9.00	9.00	6.00	7.00	56.00
Narayanapur Dam and allied works.	3.00	5.00	5.00	4.00	3.40	-	-	-	-	-	20.40
Almatti Left Bank Canal.	-	-	-	-	-	-	-	0.20	0.40	0.40	1.20
Almatti Right Bank Canal.	-	-	-	-	-	-	1.00	1.20	1.30	1.00	4.80
Narayanpur Left Bank Canal.	6.00	13.00	14.00	14.00	14.60	7.00	4.00	-	-	-	72.60
Narayanapur Right Bank Canal.	-	-	-	-	-	5.00	6.00	8.00	8.00	4.80	29.80
Lift Irrigation from the Reservoir and Canal(3.38 lakh acres)	-	-	-	-	-	-	-	2.00	7.00	7.76	16.76
Total	10.00	20.80	21.80	26.00	21.00	21.80	20.00	20.80	20.70	20.66	196.76

In/3-2.

UPPER ANICUT PROJECT
MAIN CHANNEL LEFT BANK CANAL.
STATEMENT OF MANUAL LABOUR REQUIRED FOR MAIN CHANNEL LEFT BANK for
Year 1969-70.

Sl. No.	Particulars	Quantity in Million Cum.	Rate/Cum Material Rs.	Rate/Cum Labour Rs.	Cost(in Million Rupees) Material	Labour	Total	Rate of labour in Rs. per day.	Total No. of Man day NMD= Mill Man days.	Working days in the year.	No. of Labourers working at a time.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Excavation										
	i) In Soil.	2.25	-	5.00		12.75	12.75	4.00	3.19 M.M.D.	250 days	12,760
	ii) In Rock	0.48	6.00	10.00	2.70	4.80	7.20	4.00	1.18 "	250 days	4,800
2.	Banking										
	i) Pervious	1.20	1.50	3.50	1.80	4.20	6.00	4.00	1.05 "	250 days	4,200
	ii) Impervious	0.30	3.00	4.00	0.90	1.20	2.10	4.00	0.30 "	250 days	1,200
3.	Lining.	-	70.00 (Rate per Rm.)	20.00	-	-	-	-	-	-	-
4.	C.D.works.	80 Nos.	35,000	15,000	2.28	0.75	3.00	4.00	0.19	250 days	760
5.	Tunnel	-	-	-	-	-	-	-	-	-	-
										Total	23,400

rln/5-8.

UPPER [illegible]
NAR-NARAYANPUR LEFT BANK CANAL
STATEMENT OF MANUAL LABOUR REQUIRED FOR NAR-NARAYANPUR LEFT BANK CANAL
YEAR 1970-71.

Particulars.	Quantity in Mill. Cum.	Rate/Cum. Material Rs.	Rate/Cum. Labour Rs.	Cost in Million Rupees. Material	Labour	Total	Rate of labour in Rs. per day.	Total day	No. of Man-Mill mandays.	Working days in the year.	No. of labourers working at a time.
2	3	4	5	6	7	8	9	10		11	12
Excavation											
1. Soil.	4.62	-	5.00	-	22.10	22.10	5.00	4.42	M.M.D.	250 days	22,000
2. Rock	0.78	6.00	10.00	4.68	7.80	12.48	4.00	1.95	"	250 days	7,800
Embankment											
1. Impervious	2.00	1.50	3.50	3.00	7.00	10.00	4.00	1.75	"	250 days	7,000
2. Impervious	0.80	3.00	4.00	1.80	3.20	5.00	4.00	0.80	"	250 days	2,000
Lining.	0.18	70.00	80.00	10.80	4.80	15.60	4.00	1.12	"	250 days	4,480
C.D.works	80 Nos	(Rate per No.) 35,000.00	16,000.00	2.80	0.48	3.28	4.00	0.10	"	250 days	400
Tunnel.	800 mtrs.	(Rate per Mtr) 16,000.00	6,800	12.80	5.44	18.24	7.00	0.78	"	250 days	3,120
										Total	48,800

In/S-2.

UPPER KRISHNA PROJECT.
NARAYANAPUR LEFT BANK CANAL.

Statement of Manual labour required for Narayanapur Left Bank Canal
Year - 1971-72.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate / Cum. Materials.	Rate / Cum. Labour.	Cost (in Million Rupees) Materials.	Cost (in Million Rupees) Labour.	Cost (in Million Rupees) Total.	Rate of Labour in Rs.	Total No. of Manday Million Man days.		working days in the year.	No. of labourers working at a time
1	2	3	4	5	6	7	8	9	10		11	12
1.	Excavation											
	1) Soil.	8.10	-	5.00	-	25.50	25.50	4.00	6.38	M.M.D.	250	days 25,500
	2) Rock.	0.90	6.00	10.00	5.40	9.00	14.40	4.00	2.25	"	250	" 9,000
2.	Embankments											
	1) Pervious.	2.80	1.00	3.50	2.80	9.80	14.00	4.00	3.94	"	250	" 9,800
	2) Impervious.	0.70	3.00	4.00	2.01	2.80	4.80	4.00	0.70	"	250	" 2,800
3.	Lining.	0.35	70.00 (Rate per Mcm.)	30.00	12.60	5.40	18.00	4.00	1.38	"	200	" 5,400
4.	C.D.Works.	100 Nos.	35,000 (Rate per Metre	15,000	3.50	1.50	5.00	4.00	0.38	"	250"	1,500
5.	Tunnel	1200 Mtrs.	16,000	5,000	19.20	8.10	27.30	7.00	1.16	"	200	" 4,600
										Total.		58,600

Pr/Sec.

UPPER [illegible] PROJECT
NARMADAPUR LEFT BANK CANAL.

Statement of Manual Labour required for Narmadapur Left Bank Canal
Year 1978-79.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Rate- Male.	Labour.	Cost (in Million Rupees) Rate- Mil.	Labour	Total	Rate of Labour in No. per day.	Total No. of Man-days. Mill. mandays.		working days in the year.	No. of labourers working at a time.
1.	Excavation											
	1) Soil.	5.20	-	5.00	-	25.00	25.20	4.00	6.40	Mill	250 days	25,600
	2) Rock	0.80	6.00	10.00	6.40	8.00	14.40	4.00	2.85	"	250 "	8,000
2.	Embankment											
	1) Pervious.	2.50	1.20	3.50	4.20	9.10	14.00	4.00	3.45	"	250 "	9,600
	2) Impervious	0.70	3.00	4.00	2.10	2.80	4.90	4.00	0.68	"	250 "	2,800
3.	Lining.	0.18	70.00	20.00	12.60	3.40	16.00	4.00	1.37	"	250 "	4,400
4.	C.D.Works.	100 Nos.	(Rate per No.) 25,000	15,000	4.20	1.80	6.00	4.00	0.48	"	250 "	1,800
5.	[illegible] Tunnel	1,200 Rm	16,000	6,800	19.20	8.16	27.36	7.00	1.10	"	250 "	4,400
											Total	85,000

m/s.2.

UPPER KRISHNA PROJECT
NARAYANAPUR LEFT BANK CANAL

Statement of Manual labour required for Narayanapur Left Bank Canal system.
Year 1973/74.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Materials.	Rate/Cum. Labour.	Cost in Million Rupees. Materials.	Cost in Million Rupees. Labour	Cost in Million Rupees. Total.	Rate of Labour in Rs. per day.	Total No. of Man days MAD. Million Man days.		Working days in the year.	Number of Labourers working at a time.
1.	Excavation.											
	1) Soil	5.10	-	5.00	-	25.50	25.50	4.00	6.37	MAD	250 Days	25,480
	2) Rock	0.90	6.40	10.00	5.40	9.00	14.40	4.00	2.25	"	250 "	9,000
2.	Embankments											
	1) Pervious	2.40	1.50	3.50	3.60	8.40	12.00	4.00	3.00	"	250 "	8,400
	2) Impervious.	0.60	3.00	4.00	1.80	2.40	04.20	4.00	0.60	"	250 "	2,400
3.	Lining	0.30	70.00 (Rate per Cu.)	30.00	12.60	5.40	18.00	4.00	1.35	"	250 "	5,400
4.	C.D.Works.	120 Nos.	25,000	15,000	4.20	1.80	6.00	4.00	0.45	"	250 "	1,800
5.	Tunnel.	1068 Rtm.	16,00	6,800	17.08	7.26	24.34	7.00	1.04	"	250 "	4,160
										Total.		84,700

ry/6-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL.

Statement of Manual Labour Required for Narayanapur Left Bank Canal System
Year 1974-75.

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum. Rate-wise	Labour	Cost in Million Rupees Rate-wise	Labour	Total	Rate of Labour in No. per day.	Total No. of Man days Mill-Million Man days.		Working days in a the year.	No. of labourers working at a time.
1.	Excavations											
	1) Soil.	2.13	-	5.00	-	10.65	10.65	4.00	2.66	MAN	250 days	10,640
	2) Rock.	0.37	6.00	10.00	2.22	3.70	5.92	4.00	0.92	"	250 "	3,720
2.	Embankments											
	1) Earthwork	2.00	1.30	3.50	2.60	6.25	8.85	4.00	1.31	"	250 "	5,240
	2) Impervious.	0.40	3.00	4.00	1.20	2.00	3.20	4.00	0.50	"	250 "	2,000
3.	Lining.	0.13	70.00 (Rate per 100 Sq.m)	20.00	9.10	2.80	12.00	4.00	0.98	"	250 "	3,920
4.	C.D.works	100 Nos	26,000	10,000	2.60	1.80	5.00	4.00	0.37	"	250 "	1,480
5.	Tunnels	-	-	-	-	-	-	-	-	-	-	-
											Total	27,000

rr/5-2.

UPPER KRISHNA PROJECT.
NARAYANPUR LEFT BANK CANAL

Statement of Manual Labour Required for Narayanpur Left Bank Canal System
Year 1975-76.

Sl. No.	Particulars.	Quantity in Mill. Cum.	Rate/Cum. Materials	Rate/Cum. Labour	Cost (in Million Rupees) Materials	Cost (in Million Rupees) Labour	Cost (in Million Rupees) Total	Rate of Labour in Rs per days.	Total No.of Man days MMD-Million Man days.		Working days in the years	No.of Labourers working at a time.
1.	Excavation											
	1) Soil	1.70	-	6.00	-	8.50	8.50	4.00	2.12	MMD	250 days	8,480
	2) Rock.	0.30	6.00	10.00	1.80	3.00	4.80	4.00	0.75	"	250 "	3,000
2.	Embankments											
	1) Pervious	1.52	1.50	3.50	2.28	5.32	7.60	4.00	1.30	"	250 "	5,200
	2) Impervious	0.35	3.00	4.00	1.14	1.52	2.66	4.00	0.38	"	250 "	1,520
3.	Lining.	-	-	-	-	-	-	-	-	-	-	-
4.	C.D.works	72 Nos	(Rate Per No.) 35,000	15,000	2.52	1.08	3.60	4.00	0.27	MMD	" 250 "	1,080
5.	Tunnels	-	-	-	-	-	-	-	-	-	-	
										Total.		19,280

xx/S.E.

(Peak Labour Strength)

Sl. No.	Particulars.	Quantity in Mill. cms.	Rate/Cum Materials	Rate/Cum Labour.	Cost (in Million rupees) Materials	Cost (in Million rupees) Labour	Cost (in Million rupees) Total	Rate of labour in Rs.	Total No. of Day	Working days in year.	No. of labourers.
			Rs	Rs							
1.	Excavation										
	in soil	0.04	...	5.00	...	0.20	0.20	4.00	0.05	250	200
	in Rock	0.05	6.00	12.00	0.30	0.60	0.90	4.00	0.15	250	600
2.	Masonry	0.03	35.00	35.00	2.70	2.70	5.40	4.00	0.675	250	2700
3.	Concrete	0.17	100.00	20.00	7.00	1.40	8.40	4.00	0.35	250	1400
4.	Embankment	0.60	7 x .30 = 2.1	7 x .70 = 4.90	1.26	2.94	4.20	4.00	0.735	250	2950
									Total:		7850

Or say 8,000 Nos.

ESTIMATE OF MANUAL LABOUR REQUIRED FOR MONTHLY PROGRESS FOR THE 1971-1972 (Peak labour strength)

Sl. No.	Particulars	Quantity in Mill. Cum.	Rate/Cum		Cost (In Mill. rupees)			Rate of labour in No.	Total No. M.T. Day	Working days in year	No. of labourers
			Materials	Labour	Materials	Labour	Total				
1.	Excavation										
	In Soil	0.20 x .60 = .12	..	5.00	..	0.60	0.60	4.00	0.15	250	600
	In Rock	0.20 x .40 = .08	6.00	10.00	0.48	0.80	1.28	4.00	0.20	250	800
2.	Concrete	0.14	100.00	20.00	14.00	2.80	16.80	4.00	0.70	250	2800
								Say: 4200Nos.			4200

RAIN FALL STATISTICS (in inches)

S.No.	Taluka	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Average	Total
1.	Shorapur Average of year 1961-68	0.41	0.18	0.30	0.73	0.86	4.78	5.35	4.26	8.20	3.71	0.66	0.72	2.51	30.10
2.	Shorapur Average of year 1963-68	0.05	0.23	0.15	0.38	0.53	3.80	4.48	5.62	8.88	2.36	1.16	0.68	2.38	28.50
3.	Sindgi Average of year 1963-68	0.33	0.34	0.16	0.04	1.34	3.62	4.60	3.23	7.24	2.87	0.67	0.22	2.06	24.72
4.	Jewargi Average of year 1963-68	0.30	0.93	0.66	0.14	0.236	0.55	0.58	5.97	8.22	5.86	0.13	..	1.88	22.50
5.	Indi Average of year 1952-68	0.054	0.81	0.32	0.76	1.35	4.56	3.39	4.27	6.46	2.82	0.60	0.14	2.10	25.20
	AVERAGE ...	0.19	0.52	0.30	0.41	0.70	3.00	3.09	4.25	6.85	3.26	0.56	0.32		25.25

STATEMENT SHOWING SEASONAL AND ANNUAL RAINFALL
OF MYSORE (Millimetres)

Sl. No.	District Station	Sub-basin	Number of years for calculating normals	January-February	March-May	June-September	October-December	Annual.
1	2	3	4	5	6	7	8	9
			MYSORE STATE					
	RAILWAY							
4.	Sampaje	K.S Tungabhadra	50	6.1	81.1	404.0	142.2	633.4

[Extract from the Report of The Krishna Godavari Commission (1961)

ANNEXURE I Page 32]

STATE OF MONTHLY EVAPORATION LOSSES IN KRISHNA-GODAVARI BASINS AND ADJACENT AREAS

Sl. No.	Station	Sub-basin	Year	Monthly evaporation losses in millimetres												Remarks.
				Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4.	Tungabhadra	T.B.-Tungabhadra	1954	207	254	[illegible]	291	311	253	195	182	209	199	198	174	[illegible]	Not available
			1955	211	246	313	276	252	207	155	176	190	171	177	190	2612	
			1956	225	249	329	347	247	202	139	179	160	158	190	172	2931	
			1957	193	225	272	305	247	190	153	132	194	178	165	184	2434	
			1958	193	191	253	239	236	225	141	154	170	190	150	129	2211	
			1959	140	194	267	273	294	178	116	153	143	141	152	150	2191	
			1960	139	184	226	243	250	199	183	166	143	176	154	149	2197	
			1961	165	173	241	241	211	170	157	157	140	153	127	145	2065	

[Extract from the Report of The Krishna Godavari Commission (1961)

ANNEXURE I Page 40 & 41]

ECONOMIC ANALYSIS FOR 50 YEARS

(a) Statement showing the Costs & Benefits at different rates of interest.

Sl. No.	Year	Investment on Project in Mill. Rs.	Investment on Land Development & Development of Agr. in Million Rs.	Maintenance cost of irrigation system plus Admn. charges thereon at Rs. (5+3) per acre.	Total Cost in Million Rs.	COSTS Present water factor in 6% interest	Present water at 6% interest	Present water factor at 8% interest	Present water at 8% interest	Present water factor at 10% interest	Present water at 10% interest	Present water factor at 20% interest	Present water at 20% interest.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	1st	100.00	1.360	-	101.360	0.9494	95.61	0.9259	93.84	0.9090	92.12	0.8334	84.48
2.	2nd	205.00	1.730	-	206.730	0.8900	184.00	0.8573	177.20	0.8264	187.90	0.6944	134.00
3.	3rd	215.00	1.697	-	216.697	0.8396	182.00	0.7938	172.00	0.7513	162.90	0.5786	125.00
4.	4th	205.00	2.069	-	207.069	0.7921	164.10	0.7350	152.00	0.6829	141.50	0.4821	99.84
5.	5th	205.00	43.513	-	248.513	0.7472	185.70	0.6806	169.10	0.6209	154.30	0.4018	99.86
6.	6th	70.00	43.197	1.00	114.197	0.7050	80.52	0.6302	71.96	0.5644	64.48	0.3348	38.15
7.	7th	40.00	31.326	2.20	73.726	0.6650	49.04	0.5835	43.03	0.5131	37.84	0.2790	20.57
8.	8th	-	28.645	4.20	32.845	0.6274	20.61	0.5405	18.86	0.4665	15.32	0.2328	7.649
9.	9th	-	23.740	6.20	29.940	0.5919	17.72	0.5002	14.98	0.4240	12.70	0.1937	5.806
10.	10th	-	19.205	7.20	26.405	0.5584	14.74	0.4632	12.24	0.3855	10.18	0.1614	4.263
11.	11th	-	15.762	8.08	23.842	0.5268	12.56	0.4289	10.21	0.3504	8.35	0.1345	3.206
12.	12th Yr onwards upto 50th Yr.	-	4.375	8.08	12.475	7.3890	92.21	4.6960	58.61	3.0980	58.67	0.559	6.976
			Total:-				1098.81		993.62		926.26		630.200

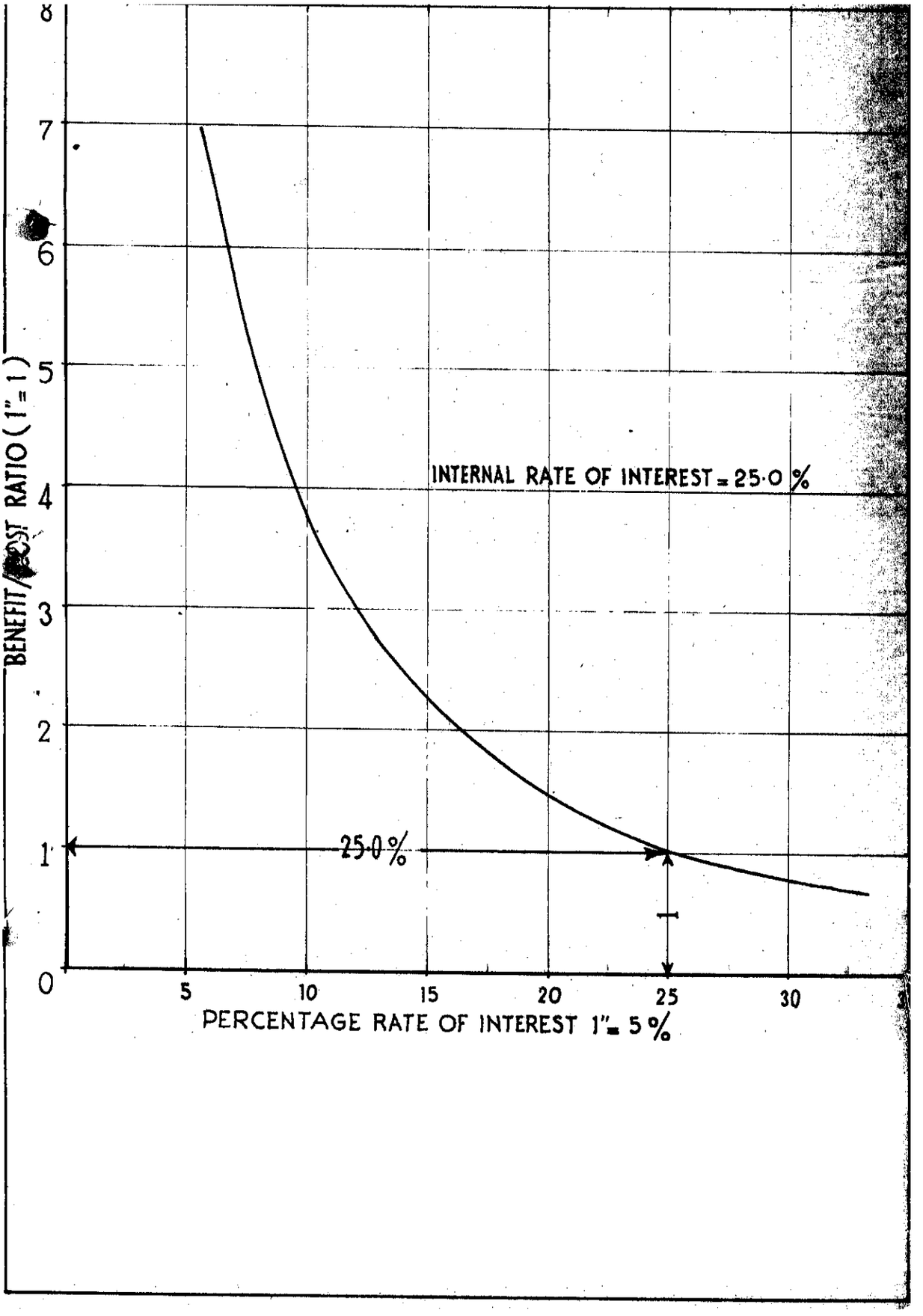
Nk*

Present water factor at 30% interest	Present water at 30% interest	Present water factor at 25% interest	Present water at 25% interest.	Yearwise benefits	Present water at 6% interest rate	Present water at 8% interest rate	BENEFITS Present water at 10% interest Rate	Present water at 20% interest Rate	Present water at 30% interest Rate	Present water at 25% interest Rate	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26
0.770	78.07	0.8000	81.	-	-		-	-	-	-	
0.591	122.30	0.6400	132.	-	-		-	-	-	-	
0.449	97.31	0.5121	111.	-	-		-	-	-	-	
0.350	72.54	0.4097	84.	-	-		-	-	-	-	
0.269	66.97	0.3277	81.	-	-		-	-	-	-	
0.207	23.68	0.2622	29.	93.59	65.98	.96	52.83	31.25	19.40	24.53	
0.159	11.75	0.2097	15.	205.89	137.60	1 .60	105.60	57.45	32.81	43.18	
0.122	4.031	0.1678	3	393.06	244.70	2 .30	183.40	91.52	49.22	65.97	
0.094	2.826	0.1343	2	580.24	337.40	2 .20	246.00	112.50	54.74	77.91	
0.072	1.918	0.1074	7	673.82	361.00	3 .10	259.80	108.70	48.95	72.38	
0.055	1.319	0.0859	8	756.19	396.40	3 .30	265.00	101.70	41.85	64.97	
0.155	1.934	0.2750	2	756.19	5288.00	35 .00	2341.00	422.70	117.10	207.90	
	484.648		55 2		7155.48	48 .46	3453.63	925.82	363.05	556.84	

(b) Statement showing the Benefit Cost Ratio when future benefits and costs are discounted at different rates of interest.

Sl. No.	Rate of interest (Percentage)	Benefits in millions of Rs.	Costs in Missions of Rs.	B/C Ratio	Remarks.
1	6	7155.48	1098.81	6.51	
2	8	4858.46	993.62	4.89	
3	10	3453.63	926.26	3.73	
4	20	925.82	630. 20	1.47	
5	25	556.84	553.962	1.005	
6	30	363.05	484.65	0.75	

Mk* 8/6/2


BENEFIT/COST RATIO (1" = 1)
INTERNAL RATE OF INTEREST = 25·0 %
25·0 %
PERCENTAGE RATE OF INTEREST 1" = 5 %
0
1
2
3
4
5
6
7
8
5
10
15
20
25
30

S.No 33 Office of the Chief Engineer, P. W. D.
Irrigation (North), P. B. No: 23
Dharwar.

No. UKP/M-21/Designs Dated/ 24 JAN 1969

To

The Secretary to Government,
Public Works & Elecy. Department,
Bangalore.

Sub:- Reservation of accommodation for the Members of the World Bank Mission at Belgaum from 26th Jan. 1969 to 28th Jan. 1969.

Sir,

I am directed to acknowledge the receipt of your letter No. PWD 5 GUK 65 dated 17th Jan. 1969, as desired.

Yours faithfully,

for Chief Engineer, P.W.D.,
Irrigation (North)
24-1-69

Nk:24/1.

A & E SECTION
P.W. & E. D.
No. 4546
Date 27 JAN 196
Section ....
G8

PWD (GI. Irrgn).
No 457 Date

Encl No 52

GOVERNMENT OF MYSORE

No. PWD 5 GUK 65.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore,...23-1-...196 9.

FROM

Secretary to the Government of Mysore.

To.

Public Works & Elecy.Deptt., Bangalore.

The Chief Engineer,
Irrigation Projects (North),
DHARWAR.

Sir,

Sub:-Upper-Krishna Project.
Ref:-Your D.O. letter No.UKP/M-21/Designs, dated 15th January 1969

I am directed to enclose a copy of the extract ~~xx~~ from the Itinerary of the I.D.A. Irrigation Reconnaissance Mission which was sent to you with this Government letter of even Number dated 13-1-196 which is stated to have not been received. Further, I am also directed to enclose a copy of further communication dated 13-1-1969, received from the Government of India on the same subject. A detailed note as required therein may be sent to the Government after the visit of the World Bank Mission.

I am also directed to request you that you should also prepare a detailed note on the Tour impressions of the Team, as this will help us impressing the case of Upper Krishna with the Government of India. This may be treated as very urgent.

Yours faithfully,

ISSUED 23.1.69

(S.K. Mohan),
Under Secretary to Government,
Public Works & Elecy.Department.

O/c 23/1/69

S.No 5—

D r a f t.

No. PWD 5 UUK 65.

To

The Chief Engineer,
Irrigation Projects (North),
Dharwar.

Sir,

Sub:- Upper-Krishna Project.

Ref:- Your D.O. letter No. JKP/M-21/
Designs, dated 15th January 69.

- - -

I am directed to enclose a copy of the extract from the Itinerary of the I.D.A. Irrigation Reconnaissance Mission which was sent to you with this Government letter of even No. dated 13-1-1969 which is stated to have not been received. Further, I am also directed to enclose ~~herein~~ a copy of further communication dated 13-1-1969, received from the Government of India on the same subject. A detailed note as required therein may be sent to the Government after the visit of the World Bank Mission.

I am also directed to *

Yours faithfully,

4

U/s, P.W.D.(I)

* refer to you on that you should also prepare a detailed note on the Tour impressions of the Team, as this will help us in pressing the case of U.K. with the G.O.I. Irrigation Department

S.NO31

Draft.

D.O. No. PWD 5 GOK 65.

My dear Morarji Bhai,

Sub:- Upper-Krishna Project

- - -

In ~~Please refer~~ to your D.O. letter No. 4702-DPM/68, dated 18-12-1968, regarding the Upper-Krishna Project, it has been indicated ~~in your letter~~ that even if the World Bank agrees to provide assistance to the Upper-Krishna Project, it will have to be within the normal Plan assistance to the State. The Upper-Krishna Project is the biggest ~~a mighty~~ in this State scheme which will irrigate about 19 lakh acres and ~~considering~~ the ~~magnitude of this project~~, it is desirable even from the National point of view that ~~such~~ projects are considered to belong ~~that the limitations with regard to the normal~~ to the entire Country as they transform the entire ~~Plan assistance should not be insisted.~~ economy once they are brought ~~Projects~~ of this magnitude should be financed by the Government of India ~~in the overall~~ ~~national interest~~ as it will not be possible similar to major industries and development of other institutions which cross the regional borders ~~for~~ Any individual State to finance such big is rather difficult ~~schemes.~~ This scheme is a must for the State to ameliorate the sufferings of the people in the scarcity affected areas and to remove permanently the deficit of this State in food. I, ~~therefore~~, request you to favourably consider my suggestion for taking up of this project as a National Scheme to be financed by the Centre entirely outside the Plan.

I may wish to kindly bring your notice that this area is subjected to frequent famine conditions & State is forced to spend large sums on relief works.

Yours sincerely,

(VEERENDRA PATIL)

Shri Morarji Desai,
Deputy Prime Minister of India,
NEW DELHI.

K.S.S.Murthy,
Officer on Special Duty.

Sr.No 30 MOST IMMEDIATE

भारत सरकार

सिंचाई व बिजली मंत्रालय

GOVERNMENT OF INDIA

MINISTRY OF IRRIGATION AND POWE

D.O.No.17(22)/68-Mat.

नई दिल्ली, 188
New Delhi, 13. 1. 1969

Dear Shri Chandappa Patel,

Kindly refer to my d.o. letter of even number dated the 9th January, 1969 and subsequent telex message of 10th instant regarding the visit of the World Bank/IDA Irrigation Reconnaissance Mission.

We shall be grateful if you could kindly arrange to send immediately, after the visit of the Mission is over, a detailed note indicating the discussions held with the Mission and the points raised by them. A copy of this note may also kindly be sent to Chairman, CW&PC. If any additional material/report in respect of Project/s discussed is handed over to the Mission, copies of the samy may also be sent to this Ministry and CW&PC along with the detailed note referred to above.

With kind regards,

Yours sincerely,

(K.S.S.Murthy)

Shri Chandappa Patel,
Secretary,
Public Works & Electricity Department,
Government of Mysore,
Bangalore.

PWD (GI. Irrgn).
No 267 Date

DO 78
No.....
Date 17 JAN 1969
PUBLIC WORKS & ELEC. DEPT.

4702-DCOM/68

DEPUTY PRIME MINISTER
INDIA

NEW DELHI,
December 18, 1968.

My dear Patil, 'A'

Please refer to your D.O. letter No. CM I 3713/68 dated 26th November, 1968 regarding Upper Krishna Project. As you have pointed out, we had under consideration in August-September 1966 a proposal to put certain irrigation projects, on which works were in progress, to the World Bank as a basis for loans. However, the context in which we were having discussions with the World Bank subsequently changed and no further action was taken in that direction. Once again, the World Bank is showing some interest in projects of this nature. We understood that the Union Irrigation & Power Ministry was again considering Upper Krishna Project as one of those which can be proposed to the World Bank. However, I should caution you that the present discussions with the World Bank are still at a very preliminary stage and it will not be wise to base any desirable action only on the possibility of such financing. (Incidentally, may I also add that Mr. Kavalsky is a junior officer of the Bank and not its residential representative and in a matter like this, you cannot set store by the impressions that he has gathered). In any case, I am sure, you are aware that even if the World Bank makes a project the basis for giving loans to Government of India, the funds as such are not passed on to the State Government over and above the normal Plan assistance. Estimated receipts from foreign aid are included in the calculation of total Plan resources even at the initial stage, and therefore, the assistance that State Governments get from the Centre are just those that are otherwise settled in the context of the Plan. I would, therefore, suggest that you look at the completion of the project entirely from the point of view of its merits, economic justification and priority, and, within the Plan effort that you are making, give it the priority it deserves in consultation with the Planning Commission.

With regards,

Yours sincerely,

(Morarji Desai)

V. Patil 3/1

Shri Veerendra Patil,
Chief Minister, Mysore,
BANGALORE 1.

S.No 29

GOVERNMENT OF MYSORE

S. G. BALEKUNDRY,
B.E., B.Sc. (Edin.), M.I.E.,
Chief Engineer, P.W.D.,
Irrigation (North).

P. B. No. 23,
Dharwar, Dt. 15th January 1969

D.O. Letter
No. UKP | M-21 /Designs

My Dear Shri Chandappa Patel,

Sub:- Upper Krishna Project.

Ref:- Your D.O.No.PWD 5 GUK 65 dt.13-1-1969 forwarding Sri.K.S.S.Murthy's letter dt.9-1-1969.

The enclosure to Shri K.S.S.Murthy's letter was not received. However I have drawn up a detailed programme to receive the I.D.A.Team at Belgaum on 26th morning, to take them round the Project on 26th and 27th and to send them off from Belgaum on 28th morning to Bombay, vide programme enclosed.

Yours sincerely,

(S. G. Balekundry,)

Shri Chandappa Patel, I.A.S.,
Secretary to Government of Mysore,
Public Works Department,
Vidhana Soudha,
Bangalore-1.

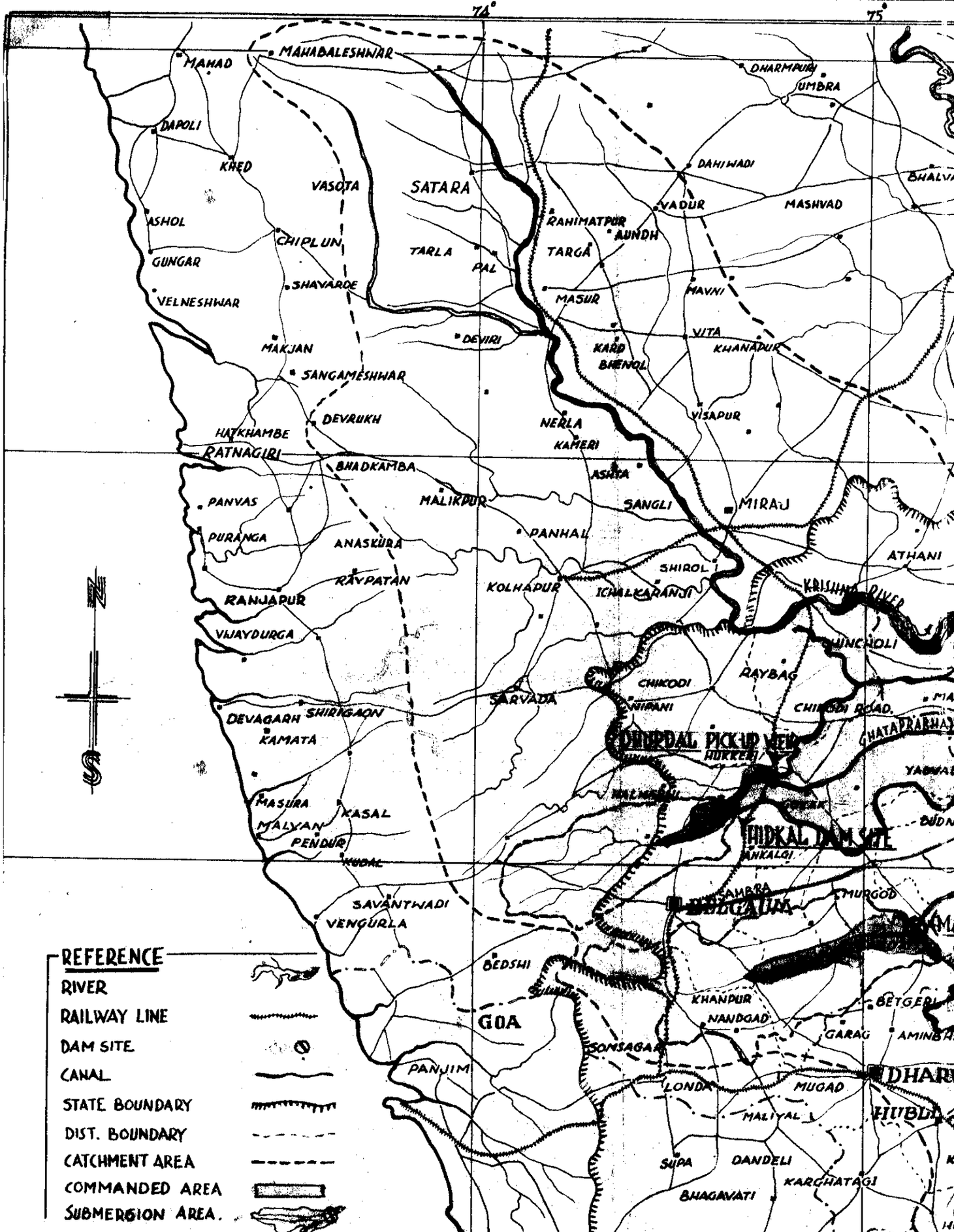
PWD (Gl. Irrgn),
No 235 Date

XX
21/5(5)

GI
17/1

17/1

17/1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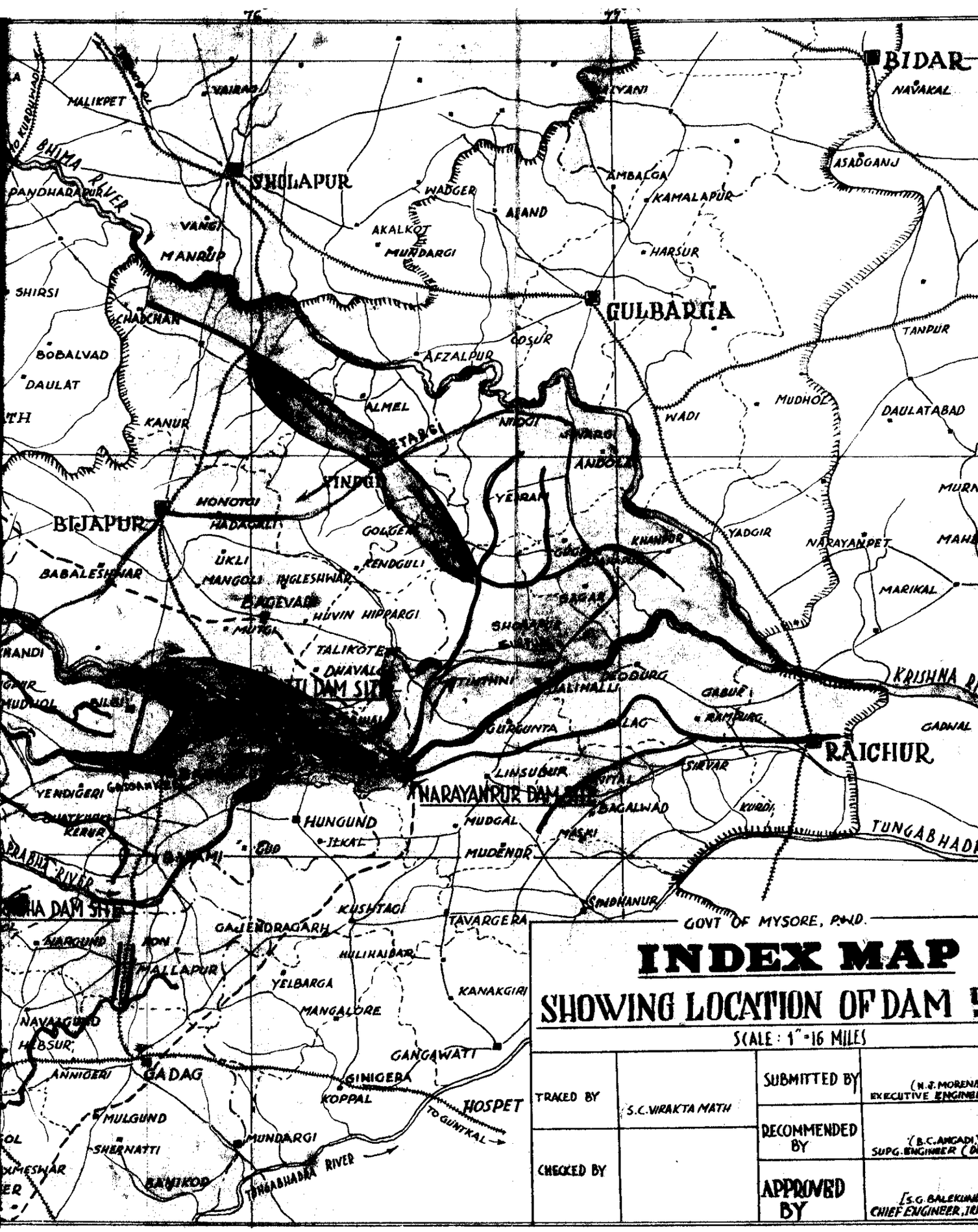
DHARMPURI
UMBRA
DAHIWADI
VADUR
MASHVAD
ASHOL
CHIPLUN
GUNGAR
SHAVAROE
VELNESHWAR
TARLA
PAL
RAHIMATPUR
AUNDH
TARGA
MASUR
MAVNI
VITA
KHANAPUR
KARD
BHENOL
DEVIRI
MAKJAN
SANGAMESHWAR
DEVRUKH
HATKHAMBE
RATNAGIRI
BHADKAMBA
NERLA
KAMERI
VISAPUR
ASHTA
MALIKPUR
SANGLI
MIRAJ
PANVAS
PURANGA
ANASKURA
PANHAL
ATHANI
RAYPATAN
SHIROL
KOLHAPUR
ICHALKARANJI
KRISHNA RIVER
RANJAPUR
VIJAYDURGA
CHIKODI
RAYBAG
SARVADA
NIPANI
CHIKODI ROAD
DEVAGARH
SHIRGAON
KAMATA
MASURA
KASAL
MALVAN
PENDUR
KUDAL
SAVANTWADI
VENGURLA
BEDSHI
GOA
PANJIM
KHANAPUR
NANDGAD
GARAG
SONSAGAR
LONDA
MUGAD
MALIYAL
SUPA
DANDELI
KARGHATAGI
BHAGAVATI
REFERENCE
RIVER
RAILWAY LINE
DAM SITE
CANAL
STATE BOUNDARY
DIST. BOUNDARY
CATCHMENT AREA
COMMANDED AREA
SUBMERGION AREA.



GOVT OF MYSORE, P.W.D.

INDEX MAP

SHOWING LOCATION OF DAM

SCALE : 1" = 16 MILES

TRACED BY	S.C. VIRAKTA MATH	SUBMITTED BY	(N.J. MORENA EXECUTIVE ENGINEE
CHECKED BY		RECOMMENDED BY	(B.C. ANGADI) SUPG. ENGINEER (D
		APPROVED BY	(S.G. BALEKUND CHIEF ENGINEER, IR

PWD 5 GUK 65

By Regd. post Express delivery. 17 Jan. 69.

The
Public Works and Elecy. Departt.

The Chief Engineer,
Irrigation Project (North),
Dharwar.

Sir,

Sub:- Reservation of accommodation for the members of World Bank Mission at Belgaum from 26th January 1969 to 28th January 1969.

I am directed to forward herewith the necessary Bungalow occupation passes reserving accommodation for 6 members of world Bank Mission from 26th to 28th January 1969, received from the Superintending Engineer, B.C. Belgaum.

Kindly acknowledge the receipt.

Yours faithfully,

ISSUED
Dated 17/1/69.

Sd/- (S.K. Mohan),
Under Secretary to Government,
Public Works and Electricity Department.

Authorised for Issue,

16/1

Section Officer,
Public Works & Elecy. Departt.

avl. O/C

PWDs-Lukbs- S.No 28

To

The EE. I.P(N) Dharwar

Sir.

Sub:- Ac ord ND.

I am directed to forward herewith the necessary Bungalow Occupation Passes reserving accommodation for 6 members of World Bank mission from 26th to 28th Jan 1969, received from the SE. B.C. Belgaum.

Kindly acknowledge the receipt

[illegible]

[illegible]

[illegible]

10/1/69

[illegible]
15/1

S.No 27

No.TRP/RSR/CBC3/ 13176

Office of the
Superintending Engineer, B.C.
Belgaum:

To

13 JAN 1969

The Secretary to Government,
Public Works Department,
Vidhana Soudha, Bangalore.

Sub:- Reservation of accommodation for the members of World Bank Mission at Belgaum from 26th January 1969 to 28th January 1969.

Ref:- Your Telegram dated 10th January 1969.

Sir,

With reference to your Telegram dated 10th January 1969 regarding the reservation of Circuit House at Belgaum for 6 members of World Bank Mission from 26th to 28th January 1969, I have to state that the necessary reservation of 4 suites in the Circuit House and two suites in the I.B. at Belgaum has been made and the necessary Bungalow Occupation passes are enclosed herewith.

Yours faithfully,

Superintending Engineer, B.C.

R & I. SECTION
P.W.& H.D.
No. 1933
Date 15 JAN 196.

Under Secy PWD

R/OK

GOVT. OF KARNATAKA PHOTOGRAM

23101 -304 T. R. 1951 amended

Local Address P.B.X. PWD Under Secy No. 23101

VIDHANASOUDHA

BANGALORE 1

270

TEL No. Q-224 R/OK JNS

Charges 2-90

Initials JNS

To DS(T)

Class O Time 1825 No. 804 Date 10 STE Wds 25/26

To Name SUPERINTENDENT ENGINEER

Telephone No. TP PWD

Address BELGAUM

Telegraph Office

RESERVE ACCOMODATION BELGAUM 26TH TO 28TH JANUARY FOR 6 MEMBERS OF WORLDBANK MISSION STOP ONE MEMBER ACCOMPANIED BY WIFE

R. & I. SECTION P.W. & H. D. No. 1926 Date 15 JAN 19[illegible]

PWD (Gl. Irrgn). No 20 Date

WORKSEC

ON P&T SERVICE

PHONOGRAM accepted subject to the I.T.R. in force from time to time

Local Address

TP No. 23101 -304

Q- 224 R/DK JNS

3-00

JNS

Class O Time 1830 Date 805 Date 10 STE Wds 26/28

To Name SUPERINTENDET ENGINEER PWD

Telephone No.

Address UPPERKRISHNA PROJECT

Telegraph Office ALMATTI S R

RESERVE ACCOMODAITION UPPERKRISHNA PROJECT 26TH TO 28TH JANUARY FOR 6 MEMBERS OF WORLDBANK MISSION STOP ONE MEMBER ACCOMPANIED BY WIFE

WORKSEC

CHIFSEC BG 239 +
CHIFS[illegible]G 239
LABOUR [illegible]D.514

S.No26

2n HD 769/SPL/69

FROM K S S MURTHY IRRIGPOWER NEW DELHI
TO SHRI CHANDAPPA PATEL SECRETARY PUBLIC WORKS AND
ELECTRICITY DEPTT BANGALORE

This is maybe authorised Telegraphically. C.S. 13/1/69

W.S.T.

Through intimated telephonically etc.

REGARDING DOCUMENTS FURNISHED FOR WORLD BANK IDA IRRIGATION RECONNAISSANCE MISSION STOP SCOPE OF UPPER KRISHNA STAGE I APPEARS TO HAE+ HAVE BEEN ALTERED SUBSTANTIALLY FROM THE SANCTIONED FEATURES MISSION LIKELY TO ASK FOR JUSTIFICATION OF ADDITIONAL INVESTMENTS IN PHASE I OVER AND ABOVE THE SANCTIONED FEATURES STOP MISSION ALSO LIKELY TO ASK FOR DETAILS AND JUSTIFICATIONS FOR DUTIES, DELTAS, CROP PATTERS AND YIELDS STOP SUGGEST DIRECT YOUR ENGINEERS AND AGRICULTURE OFFICERS TO STUDY IN DETAIL THE DOCUMENTS ALREADY FURNISHED TO THE MISSION AND BE PREPARED WITH ADDITIONAL INFORMATION ON THE ABOVE POINTS STOP OUTLAYS DURING FOURTH PLAN WOULD BE ABOT+ ANOTHER ASE+ ASPECT TO BE CONSIDERED STOP

GI)

::::::::
ND TELEX ON 1- 13-1-69 AT 1435 HRS/KKT
PL [illegible]K+?
ACKD YOUR MSG THANKS

Mohamed Rahmathulla,
Divisional Commissioner &
Administrator, Tungabhadra
Project, Gulbarga.

S.No 25

GULBARGA, (R.S.),

*Dated..*5th..Jan.....*1969*.

PWD (GI. Irrgn).
No 109 Date

D. O. No. UKP/DEV/4598/68-69

Dear Sri Mohan,

Subject: Upper Krishna Project - Proposal for financial assistance by I.D.A.

Please refer your D.O.No: PWD 5 GUK 65 dated 18-12-68. The check list enclosed to the letter of the Government of India is a ~~Combined~~ one, both for irrigation, Drainage, Water utilisation, Agriculture including financial analysis and economic justification. I have written to Sri Neelakantappa, Superintending Engineer, Upper Krishna Project to furnish the information as per check list. In view of the urgency, I also spoke to him on the phone. He informed me on the phone that he is furnishing the information to the Chief Engineer, Irrigation (North) at Dharwar who is said to be examining the particulars and furnish a report to Government. On the Revenue side, I am herewith forwarding a note on items pertaining to Revenue Department in this Division.— Item 13 Land Tenure, Item 14 Agrarian Reform Law, Item 18 Availability of Production supports, Item 19 Transportation and Storage in the check list sent with your letter.

Yours sincerely,

M Rahmathulla
5/1/69

Sri S.K.Mohan,
Under Secretary to Government,
Public Works Department,
Vidhan Soudha,
BANGALORE.

G1
9/1

8/1/69

NOTE ON PROPOSAL FOR FINANCIAL ASSISTANCE BY INTERNATIONAL DEVELOPMENT ASSISTANCE FOR UPPER KRISHNA PROJECT.

1- (Item No.13) Land Tenure:-

Land Cess has already been fixed and also revised in the last Land Revenue Revision Settlement in 1962 and the same is being collected every year. The Land Revenue is fixed for each survey number and the extent of collection depends upon the yield obtained in each year. The average Land Revnue Assessment is found to be about one rupee per acre. Those lands already irrigated by tanks (which are very few in number) are charged wet assessment. This is higher than the dry rate. However these lands are too few to be of any significance.

All the lands have been surveyed by the Survey and Settlement Department by the Cross staff method and the detailed shape of every field has been recorded and maintained in the office of the Assistant Superintendent of Land Records, Raichur. The lands are held by individuals except a small portion of land for the purpose of graxing the cattle of the village which is vested with the local body. Apart from this there isalso a smaller percentage of land held by the Government which are assigned to the individuals from time to time. But such lands for assignment are also very less and generally infertile.

II- (Item No.14) Agrarian Reform Law:-

The Mysore Land Recorms Act 1961 and Mysore Land Reforms Rules 1965 have already come into force. According to this a ceilling of 18 standard acres has been imposed on individuals holdings. The standard acre varies from one acre of first class land to 8 acres of seventh class land (the first class land is a land with assured irrigation facilities capable of producing two paddy crops in the year. The seventh class land is a land receiving less than 25" of rain fall or an uncultivable dry land). At present the rainfed lands in Lingsugur taluk which will be benefitted by the Upper Krishna Project are treated as seventh class land and therefore the ceiling limit works out to 144 acres. However if the number of members in the family of a person or that of the Joint family exceeds five for each such member in excess of five members 6 additional standard acres can be held. If the lands are going to be irrigated they will come under either first class land or second land and therefore the size of individual holdings will be reduced. However, the surplus land in excess of the ceiling area surrendered to Government so far appears to be insifnificant. This is because of the practice of vesting lands under documents of title on various members and friends of the original big land holder. Hence, the agrarian reform law may not have much effect upon the big land holder.

III- (Item No.18) Availability of Production Supports:-

Improved seeds of wheat, cotton, Jowar Bajra and groundnut will be available due to the steps already taken up for the production in the TBP area.

Co-operative Societies already exist in this area but they need to be strengthened.

There is at present, no demonstration or agricultural research station in Lingsugur taluk.

There are already 2 Municipalities and 3 town panchayats in this taluk.

The regulated Market Committe Lingsugur is already acquiring about 15 acres of land in Lingsugur town for establishing the Market yard.

---2

IV. (Item No.19) Transportation and Storage.

Four godowns have been built by the Co-operative Societi and there is also a Government Godown in Lingsugur. But these will not be sufficient to store increased production or inputs. The Market centre in the taluk is Mudgal which is a Municipal town 12 miles from Lingsugur. It is on the main road between Bagalkot in Bijapur and Raichur on the west and Gulbarga on the North. But other internal roads in this area are very few and insufficient.

Though the Lingusugur tank will come under the Ayacut of Upper Krishna Project the extent of the Ayacut is less, being only about 96,000 acres. But large acres in Deodurg and Raichur taluks (1,14,580 acres in Raichur, 45,302 acres in Manvi and 2,52,903 acres in Deodurg) in Raichur Revenue Sub-Division appears to be included for irrigation under the Upper Krishna Project. However, the system of land tenure, agrarian reform and the facilities for inputs, transport and storage will be almost the same except in Manvi and Raichur where the infra-structure is already being building up due to the Tungabhadra Project.

Divisional Commissioner,
Gulbarga.

[illegible] 8.No24

Copy of letter No.4702-DPM/68 dated 18-12-68 from Shri Morarji Desai, Deputy Prime Minister of India, New Delhi addressed to Shri Veerendra Patil, Chief Minister, Mysore, Bangalore-1.

***

Please refer to your D.O. letter NO.CMI 3713/68 dated 26th November, 1968 regarding Upper Krishna Project. As you have pointed out, we had under consideration in August-September 1966 a proposal to put certain irrigation projects, on which works were in progress, to the World Bank as a basis for loans. However, the context in which we were having discussions with the World Bank subsequently changed and no further action was taken in that direction. Once again, the World Bank is showing some interest in projects of this nature. We understood that the Union Irrigation & Power Ministry was again considering Upper Krishna Project as one of those which can be proposed to the World Bank. However, I should caution you that the present discussions with the World Bank are still at a very preliminary stage and it will not be wise to base any desirable action only on the possibility of such financing. (Incidentally, may I also add that Mr. Kavalsky is a Junior Officer of the Bank and not its residential representative and in a matter like this, you cannot set store by the impressions that he has gathered). In any case, I am sure, you are aware that even if the World Bank makes a project the basis for giving loans to Government of India, the funds as such are not passed on to the State Government over and above the normal Plan assistance. Estimated receipts from foreign aid are included in the calculation of total Plan resources even at the initial stage, and therefore, the assistance that State Governments get from the Centre are just those that are otherwise settled in the context of the Plan. I would, therefore, suggest that you look at the completion of the project entirely from the point of view of its merits, economic justification and priority, and, within the Plan effort that you are making, give it the priority it deserves in consultation with the Planning Commission.

***

MEMO NO. Cm o/o 2500/68

Office of the Chief Minister,
Vidhana Soudha,
B'lore, dt. 23-12-1968.

PWD (Gl. Irrgn). Date No 5629

Copy to the Secretary to Government, Public Works Department.

Private Secretary to the Chief Minister.

***

R. & I. SECTION P. W. & H. D. No [illegible] Date 24 DEC 68 Section G.9

24/12

27/12

This should be placed in the main file after perusal.

6/1/69 Pl. put up with file.

Jr. CA 24/12

Jr CA 6.1.69

2/1/69

S.No 23

Draft.

PWD 5 GUK 65.

To

1) The Divisional Commissioner,
Gulbarga Division, Gulbarga.

2) The Divisional Commissioner,
Belgaum Division, Belgaum.

Sir,

Sub:- Upper-Krishna Project -
Proposal for financial
assistance by I.D.A.

- - -

The Upper-Krishna Project has been posed to the International Development Association for a financial assistance by the Government of India. The Mission is visiting the Upper-Krishna Project on 26th and 27th January 1969. The Mission will be arriving at Belgaum on 26th morning and will be leaving Belgaum on 28th morning. During its visit the Mission would like to have details on the following aspects:-

i) Land Tenure - present position and proposed future land distribution; and

ii) Agrarian Reform Law - its effect on the proposed development.

I am directed to request you to furnish these particulars to the Chief Engineer, Irrigation North, Dharwar, to enable him to present the same to the Mission.

Dated.....

Yours faithfully,

U/s, PWD (T)

Dated 18.1.69

Chandappa Patel,

S.No 22

13th Jan. 9

D.O.No.PWD 5 GUK 65.

Dear Dr. Arakeri,

Sub:- Upper-Krishna Project.

I am enclosing for your information a copy of letter dated 9-1-1969, received from the Government of India along with its enclosure. The World Bank I.D.A. Irrigation Reconnaissance Mission proposes to visit the Upper-Krishna Project between 26th and 28th January 1969 and they desire to have detailed discussion on the Engineering and Agricultural aspects of this project. I, therefore, request you to kindly to make it convenient to meet the Mission at Belgaum and arrange for the necessary discussion on the agricultural aspect. I have separately written to Shri Balekundry regarding the Engineering aspect.

Yours sincerely,
Sd/-

(Chandappa Patel)

ISSUED
Dated 21.1.69

Dr. Arakeri,
Director of Agriculture in
Mysore, Bangalore.

Copy forwarded to the Secretary to the Govt. of Mysore, Agriculture and Forest Department, Bangalore for information and with a request that the Director of

P.T.O.

Agriculture in Mysore, Bangalore may kindly be permitted to meet the team at Belgaum.

(Chandappa Patel)

D r a f t.

No. PWD 5 GUK 65.

To

1) The Superintending Engineer,
Upper Krishna Project, Almatti

2) The Superintending Engineer,
Belgaum Circle, Belgaum.

Sir,

Sub:- Upper-Krishna Project.

- - -

In continuation of the telegram dated 10-1-1969, I am directed to enclose herein the detailed programme of the I.D.A. Irrigation Reconnaissance Mission along with a copy of letter received from the Government of India. for your information.

Yours faithfully,

U/s, P.W.D. (I)

Sl No 20

Draft.

D.O. No. PWD 5 GUK 65.

Dear Sri Balekundry,

Sub:- Upper-Krishna Project.

- - -

I am enclosing ~~herein~~ a copy of letter dated 9-1-1969, received from the Government of India. The World Bank I.D.A. Irrigation Reconnaissance Mission proposes to visit the Upper-Krishna Project. According to their programme, they will be arriving at Belgaum on the morning of 26th and would be visiting Upper-Krishna Project and leaving ~~back~~ for Bombay from Belgaum on 28th morning. Please make necessary arrangements for their accommodation at Belgaum and the Upper-Krishna Project. You may also please receive the delegation at Belgaum and conduct them during their visit.

As desired by the Government of India, detailed discussions on the Agricultural aspects will also have to be arranged. You may please contact the Director of Agriculture and arrange for the same. I am also separately writing the Director of Agriculture in this matter.

Yours sincerely,

CHANDAPPA PATEL 31/1

Shri S.G.Balekundry, B.E.,
Chief Engineer (North),
Dharwar.

~~Sabha~~

D r a f t.

D.O.No. PWD 5 GUK 65.

Dear Dr. Arakeri,

Sub:- Upper-Krishna Project

- - -

I am enclosing herein for your information a copy of letter dated 9-1-1969, received from the Government of India along with its enclosure. The World Bank I.D.A. Irrigation Reconnaissance Mission proposes to visit the Upper-Krishna Project oetween 26th and 28th January 1969 and they desire to have detailed discussion on the Engineering and Agricultural aspects of this project. I, therefore, request you to kindly make it convenient to meet the Mission at Belgaum and arrange for the necessary discussion on the agricultural aspect. I have separately written to Sri Balekundry regarding the Engineering aspect.

Yours sincerely,

CHANDAPPA PATEL)

Dr. Arakeri,
Director of Agriculture in
Mysore, Bangalore.

Copy in Secy. A & F Deptt for information and with a request that the Dir. of Agy may kindly be permitted to meet the Team at Belgaum.

Sw 019

MOST IMMEDIATE / # OUT-TODAY

K.S.S.Murthy,
Officer on Special Duty.

D.O.No.F.17(22)/68-Mat.
Government of India,
Ministry of Irrigation and Power,
New Delhi, 9. 1. 1969.

Dear Sri,

I enclose copy of the itinerary of the World Bank IDA Irrigation Reconnaissance Mission for visit to your State. The World Bank New Delhi Office is making arrangements for air reservations and also for hotel accommodation wherever available. We shall be grateful if you kindly provide transport from airport to the hotel and also for subsequent visits. accommodation and boarding at out-stations may also kindly be arranged by you. Please depute a senior officer to receive the Mission at the airport. Details of visits to the Projects and of discussions with State Officials may be decided by you. The Mission is anxious to have detailed discussions with your engineers and Agricultural Officers. They prefer to split up into two and more groups and have detailed discussions. This can be arranged on arrival of the Mission at the State headquarters/at Belgaum*.

I am requesting the Mission to contact you if there is any change in this programme.

With kind regards,

* For Sri Chandappa Patel only.

Encl. As above.

Yours sincerely,

K S Murthy

(K.S.S.Murthy)

Sri N.S.Pardasani,
Secretary, Irrigation and Power,
Government of Bombay,
Sachivalaya, Bombay-32.

Shri Chandappa Patel,
Secretary,
Public Works and Electricity Department,
Government of Mysore, Bangalore.

Sri V.B. Eswaran,
Secretary, PWD,
Government of Gujarat
Ahmedabad.

Shri S.B.Lal,
Secretary, PWD,
Government of Madhya Pradesh,
Bhopal.

Copy along with a copy of the itinerary forwarded to Mr. Robert Picciotto, International Bank for Reconstruction and Development, 7, Sardar Patel Marg, New Delhi - 11. If there is any change in the programme this may please be intimated to the addresses above. Copies of the programme may be handed over to the Members of the Mission.

K S Murthy

(K.S.S.Murthy)

ITINERARY OF THE IDA IRRIGATION RECONNAISSANCE MISSION

****

January 21st, 1969	Dep. Hyderabad	19.35)	IC 118
	Arr. Bombay	21.35)	
January 22nd, 1969	Discussions with State Officials.		
January 23rd, 1969	Dep. Bombay	06.55)	IC 121
	Arr. Aurangabad	07.55)	
January 23rd and 24th, 1969	Visit Jaikwadi Project.		
January 25th, 1969	Dep. Aurangabad	08.25)	
	Arr. Bombay	09.25)	IC 122
January 26th, 1969	Dep. Bombay	06.40)	IC 155
	Arr. Belgaum	07.55)	
January 26th and 27th, 1969	Visit Upper Krishna Project		
January 28th 1969	Dep. Belgaum	09.00)	IC 156
	Arr. Bombay	11.00)	
	Dep. Bombay	14.15)	IC 123
	Arr. Ahmedabad	15.40)	
January 29,1969	Discussions with the State Officials		
January 30th and 31st 1969	Visit Mahi Command - Kadana Project		
February 1st 1969	Dep. Ahmedabad	16.05)	IC 123
	Arr. Delhi	19.40)	
February 2nd 1969	Dep. Delhi	06.40)	IC 459
	Arr. Bhopal	08.35)	
February 2nd & 3rd,1969	Visit Tawa Project - Discussions with State Officials.		
February 3,1969	Dep. Bhopal	18.10)	IC 460
	Arr. Delhi	20.35)	

S.No11

PHONOGRAM SENT ON 10-1-1969 at 6-15 P.M.

SUPERINTENDING ENGINEER
PUBLIC WORKS DEPARTMENT BELGAUM / SUPERINTENDING ENGINEER
UPPER KRISHNA PROJECT
ALMATTI.

UPPER KRISHNA PROJECT

RESERVE ACCOMMODATION BELGAUM / TWENTY SIXTH TO TWENTY EIGHTH JANUARY FOR SIX MEMBERS OF WORLD BANK MISSION(.) ONE MEMBER ACCOMPANIED BY WIFE (.)

WORKSECT

No.PWD 146 HI 169

Mysore Government Secretariat
Public Works & Elecy.Department,
Vidhana Soudha
Bangalore, dated, 13-1-1969.

Copy in confirmation to Superintending Engineer, Belgaum Circle Belgaum.

Copy to Superintending Engineer, Upper Krishna Circle, Almatti. Detailed programme will be communicated to you separately. Copy of Message received from Government of India is also enclosed for information.

Copy with copy of enclosure to Chief Engineer, Irrigation Projects (Dharwar) for information and necessary action.

(S.K.Mohan),
Under Secretary to Government,
Public Works & Elecy.Department.

Received
Dated...13.1.69.

M. G. S.

Subject:

File No. SH 026

PROGRAMME Sent on 10-1-63

WD 01050—GPB—8,00,000 18-12-65

by

PWD (GI. frrgn).
No 146 Date 13/1

SUPERINTENDING ENGINEER PWD
BELGAUM

SE, UKP
Dharwar

BELGAUM
RESERVE ACCOMODATION, TWENTY SIXTH
TO TWENTY EIGTH JANUARY FOR
Six MEMBERS OF WORLD BANK
MISSION. ONE MEMBER ACCOMPANIED
BY WIFE —

WORK SEC

See PW.

Copy in confirmation to SE/Belgaum Ckt
Belgaum & SE/UKP Ckt Dharwar. Detailed
programme will be communicated by
separately. Copy of Message received received
from GOI. is also enclosed for information
with copy of enclosure.
Copy to CE. IP(Mysore) for information by
and necessary action.

S.NO16

S.NO17

C.E. ... Bangalore ...

D-Agently ... 10.1.69

CHIFSEC BG 239 Q
TABOUR NDBMTQR

G.M. HQ 766/SPL/69.

FOR SHRI CHANDAPPA PATEL SCRETARY PUBLIC WORKS AND E+ ELECTRICITY DEPTT BANGALORE

REGARDING VISIT OF WORLD BANK IDA IRRIGATION RECONNAISSANCE MISSION STOP KINDLY ARRANGE ACCOMMODATION FOR THE MISSION AT BELGAUM ANDUPPER KRISHNA PROJECT SITE.

::::::::::::::::::::

ND TELEX ON 10-1-69 AT 1725 HRS/KKT
PL ACK?
ACKD YOUR MSG THANKS THANKS.
CHIFSEC BG 239

THIS IS FROM K.S.S. MURTHY, LDR GROUP, N. DELHI.

S. No 15 - ... may be apprised ... S.No 17

PWD (Gl. Irrgn).
No 146 Date 13/1

CHIFSEC BG 239
+
CHIFSEC BG 239
LABOUR ND.514

FOR CHANDAPPA PATEL SECY PUBLIC WORKS AND ELECTRICITY
DEPTT BANGALORE

WORLD BANK IDA RECONNAISSANCE MISSION VISITING
YOUR STATE FROM JANUARY TWENTYSIXTH TO JANUARY
TWENTYEIGHTH STOP DETAILED PROGRAMME MAILED SEPARATELY
THE MISSION COMPRISES MR. DARNELL(BRITISH) LEADER,
MR. GOLAN(ISRAEDW), K+ MR. CAMPBELL(US), MR.RANGELY(BRITISH),
MR. PRANISH (THAI) AND MR. FAGEB+ FAGERBERG(US)MR GOLAN
IS ACCOMPANIED BY HIS WIFE STOP

----- K S S MURTHI IRRIGPOWER-----

:::::
ND TELEX ON 10-1-69 AT 1415 HRS/KKT

+
CHIFSEC BG 239
PL ACK THE ABOVE MGS+?~~??~~ CAN U KINELY RPT THE ONLY
FIRST LINE PL?+

WORLD BANK IDA RECONNAISSANCE MISSION VISITING

Draft.

D.O.NO.PWD 5 GUK 65

Dear Shri Murthy,

Sub:- Upper-Krishna Project proposal for financial assistance.

Kindly refer to your D.O.letter No.D.5043/OSD(M)/68 dated 13-12-1968. As desired by you 12 copies of a Note of Upper-Krishna Project furnishing information on all the items provided in the check list are herewith being forwarded to you. Shri B.C. Angadi, Superintending Engineer, (Designs), from the Office of the Chief Engineer, Irrigation Projects (North), will be handing over these notes to you personally and will be able to explain to you any details required If any further particulars are required by the I.D.A. Mission, these will be ~~collected and~~ furnished to them when they visit the site of the project.

Yours sincerely,

ISSUED
Dated 4/1/69

Shri K.S.S. Murthy,
Officer on Special Duty,
Ministry of Irrigation & Power,
Govt. of India, New Delhi.

Sec 19

STATE TELEGRAM EXPRESS

SPECIAL COMMISSIONER
MYSORE HOUSE
CHANAKYAPURI
NEW DELHI

RESERVE ACCOMMODATION B.C. ANGADI

SUPERINTENDING ENGINEER FOR FOURTH FIFTH AND

SIXTH

WORKSEC

Not to be telegraphed:

No. PWD 5 GVK 69 Dated: 4-1-69

Copy in confirmation of the above is forwarded to the Special Commissioner, Mysore House, Chanakya Puri, New Delhi.

(S.K. MOHAN)
Under Secretary to Government,
Public Works Department (Tech.)

ISSUED
Dated 4-1-69

[redacted]

[redacted]
IRRIGATION
DHARWAR

[redacted] REFLET PWD 5 GUK 65 DATED 17th DECEMBER

[redacted] IMMEDIATELY FURNISH THE PARTICULARS CALLED FOR

[redacted] WORKS SC

(Not to be telegraphed)

Sd. (S.K. Mohan)
Under Secretary to Government,
P.W.D.(Irrigation).

No.PWD 5 GUK 65

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, 26th Decr. 1968.

Copy in confirmation is forwarded to the Chief Engineer, Irrigation Projects (North), Dharwar, for information.

(S.K. Mohan)
Under Secretary to Government,
P.W.D. (Irrigation).

ISSUED
Dated 26/12/68

Serial No. 8

GOVERNMENT OF MYSORE.

BY EXPRESS DELIVERY.

No. UKB/M.21/Designs/

Office of the Chief Engineer, PWD., Irrigation (North), P.B.No.23, Dharwar.

To

20 DEC 1968

The Director of Agriculture.
Bangalore.

Subject :- Upper Krishna Project - Proposal for financial Assistance by I.D.A.

References:- D.O.Letter No. PWD 8 UK 65 dated 17-12-1968 addressed to Chief Engineer.

Sir,

I am herewith enclosing a copy of the letter referred above along with its enclosures. It is seen from the above that Government of India proposes to pose the Upper Krishna Project Stage I before the International Development Agency for financial assistance. It is proposed to present a package project covering both irrigational and agricultural aspects and including funds required on both aspects.

The Ministry of Irrigation and Power has called for data on the irrigational aspects, financial analysis and economic justification, from the P.W.D. It is stated that Union Ministry of Food and Agriculture is separately writing to the State Departments concerned, regarding information required for agricultural aspects. It is presumed such a communication has been since received by the Secretary, Agriculture Department and you have by now received a communication in this behalf from him.

I am herewith enclosing a copy of modified proposals of Upper Krishna Project, Feb. 1968 for your reference. At page 13, 64, 69 to 71 deal with the scope and benefits of I Stage. You may be informed whether cost of Agriculture and benefits mentioned therein are considered suitable. I request that a copy of the project pertaining to agricultural development including costs and benefits therefrom may kindly be made available to me and to the Superintending Engineer, Upper Krishna Project

Y TO GOVERNMENT
17 DEC 1968
WORKS & ELEC. DEPT.

Almatti also for reference.

As the irrigational and Agricultural aspects are interrelated and as a co-ordinated effort is required to evolve a complete scheme for the agricultural development in the area concerned (i.e. in the 10.1 lakh acres of the ayacut of the I stage of Upper Krishna Project), I am requesting the Superintending Engineer, Upper Krishna Project to contact the Joint Directors of Agriculture, Dharwar and Gulbarga and other concerned officers of Agricultural Department to supply requisite information and render any assistances needed.

There are many aspects of irrigation such as suitability of soils and water, crop pattern etc., in regard to which the recommendations of Agricultural Department are required. Full Co-operation may be extended to Superintending Engineer, Upper Krishna Project in collection of these particulars.

~~I am enclosing herewith~~ A plan showing the irrigable commands and the extent of irrigation potential that would be created yearwise, will follow for your information.

Since the Government of India hold the view that the ayacut roads and main channels should be financed under the Agriculture Sector, although the works may be executed by the P. W.D., I request you to include the investments on this account in the financial forecasts to be prepared by you. The total investment on them will be about Rs. 12 crores, to benefit an ayacut of 10.6 lakh acres in about ten years. The Registrar of Co-operative Societies may also kindly be consulted regarding matters pertaining to him.

As the I.D.A. Mission is likely to arrive in India in the first fortnight of January and as the Under Secretary to Government of Mysore, P.W.D. has called for data on irrigational aspects including financial analysis and economic justification

3 ....

so as to reach Government by 24th of this month and as the cost and benefits from agricultural aspects are also to be included in the data to be compiled by me, I request that copies of the scheme for agricultural development including cost and benefit studies may kindly be made available to me by 22nd of this month.

D.A.:-

1. Copy of modified proposals of U.K.P. Feb. 1968.
2. Letter under reference.

Yours faithfully,

20.12.68

for Chief Engineer, Irrigation (North).

20/12

rr/20-12.

Copy to Secretary to Government of Mysore, Vidhana Soudha, Bangalore for information.

Copy to the Registrar of Co-operative Societies, Bangalore.

Copy forwarded with compliments to the Joint Directors of Agriculture, Dharwar /Gulbarga along with copies of enclosures for early action.

Copy forwarded to the Superintending Engineer, Upper Krishna Project Circle, Almatti for immediate necessary action

S-107

S.K. MOHAN, B.E.,
Under Secretary to Government,
Public Works Department (Tech.)

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore-1, Dated: 18th Dec. 68.

D.O.No. PWD 5 GUK 65.

Dear Sir,

Sub:- Upper Krishna Project - Proposal for financial assistance by IDA.

- - -

I am desired to enclose herewith a copy of letter from the Joint Secretary to the Government of India, Ministry of Food & Agriculture, addressed to the Development Commissioner, Government of Mysore, on the above subject. As desired therein, the particulars pertaining to the Upper-Krishna Project as per the Check List enclosed, may please be furnished immediately so as to reach Government by 24th of this month positively.

ISSUED
Date 18/12/68 dy

Yours sincerely,

Dr. H.R. Arkere,
Director of Agriculture in
Mysore, Bangalore.

C/2.

Sr no 6

S.K. MOHAN, B.E.,
Under Secretary to Government,
Public Works Department (Tech.)

Mysore Government Secretariat
Vidhana Soudha,
Bangalore-1, Dated: 18th Dec. 68.

D.O.No. PWD 5 GUK 65.

Dear Sir,

Sub:- Upper-Krishna Project - Proposal for financial assistance by IDA.

- - -

I am desired to enclose herewith a copy of letter from the Joint Secretary to the Government of India, Ministry of Food & Agriculture, addressed to the Development Commissioner, Governmentof Mysore, on the above subject. As desired therein, the particulars pertaining to the Upper-Krishna Project as per the Check List enclosed, may please be furnished immediately so as to reach Government by 24th of this month positively.

Yours sincerely,

[illegible] Dated 18/12/68

Shri Mohamad Rahamathulla, I.A.S.,
Divisional Commissioner,
Gulbarga Division,

GRN/2. GULBARGA.

Chandappa Patel,

Sl. No 5

PWD 5 GVK 65

D.O.No. [illegible] /68.

Dear Shri Rao,

Kindly refer to your D.O.letter No.DAP.1051/68 dated 16th December 1968 regarding the assistance for the Upper Krishna Project from the International Development Association.

I have received a similar proposal from the Ministry of Irrigation & Power on the basis of which the data required according to the check list is being collected. Shri Mohan, Under Secretary (Technical) has been detailed for the job. He will be collecting the information before the end of this month, and we would be in a position to supply the information to the Ministry of Irrigation and Power before 5th January 1968. A copy of the same will also be forwarded to you for your kind information.

Yours sincerely,

(Chandappa Patel)

Dated 18/12/68

Shri G.V.K.Rao,
Development Commissioner,
Mysore Government Secretariat,
Bangalore.

Sl No 4—

G.V.K.RAO,
Development Commissioner,
Commissioner for Agricultural Production and Special Secretary to Government, Agricultural Production and Secretary to Government, Planning and Social Welfare Departments.

MYSORE GOVERNMENT SECRETARIAT,
(P. B. No. 387)
VIDHANA SOUDHA, BANGALORE,

Dated..December..16,.....1968.

D.O. No. DAP. 1051 /68.

TOP PRIORITY

My dear Chandappa Patel,

As you know, we have been trying to get some assistance for our Upper Krishna Project. I enclose herewith a copy of a d.o. letter No.6-29/68-SAP, dated the 12th December 1968, which I have received from Shri Saran Singh, Joint Secretary to the Government of India, Ministry of Food & Agriculture (Department of Agriculture). It has been proposed to pose the Upper Krishna Project to the International Development Association for financial assistance.

I will be grateful if the necessary data could be collected, and put into proper shape. An officer may be put full time on the job, and 20 copies of the data may please be sent so as to reach me by the 3rd January 1969. We may have an early discussion to finalise it and, after finalisation when the copies are ready, we could send them on to the Government of India with the least possible delay.

Yours sincerely,

G.V.K.Rao

Shri Chandappa Patel,
Secretary to Government,
Public Works & Electricity Department,
Bangalore.

We have initiated action on the basis of the proposal received from Ministry (A.P. Draft D.O. reply in appendix ca 17/12

Copy of letter from Sri.Saran Singh, Joint Secretary to Government of India, Ministry of Food & Agriculture (Department of Agriculture), New Delhi, D.O.No.6-29/68-SAP dated 12 December 1968 addressed to the Development Commissioner, Government of Mysore, Bangalore.

.....

It has been decided that certain major irrigation projects which are either new or are at an early stage of construction/ consideration, may be posed to the International Development Association for financial assistance. It is proposed to present a 'package' project to the IDA concerning both irrigational and agricultural aspects, the idea being that the project should include not only the requirements of funds for irrigation works, but also all other inter-related activities designed to promote agricultural development in the area concerned.

2. Tentatively, it has been decided to take up Upper Krishna project in your State for being posed to the IDA for financial assistance. I enclose a check list, outlining information to be included in such reports. The Ministry of Irrigation & Power is separately writing to the Departments concerned in your State, in regard to the information required for irrigational aspects. The check list being sent is a combined check list, both for irrigation and agriculture, and you need concern yourself only with those points which concern agriculture, including financial analysis and economic justification.

3. I shall be grateful if you could kindly put an officer on this job, so that he could collect the necessary data and put it in proper shape. 12 copies of the data would be required by us and these may kindly be sent to us by 7th January, 1969, at the latest.

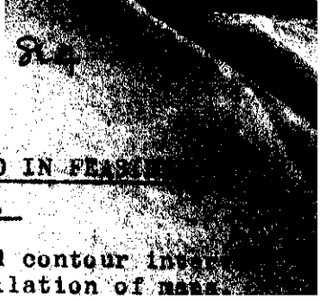
4. An IDA Mission is likely to arrive in India in the first fortnight of January. We are sorry to give you such short notice, but the IDA Mission has already finalised its programme, we had no alternative.

With regards,

/COPY/

Section Officer

M.G.S.



CHECK LIST OUTLINING INFORMATION TO BE INCLUDED IN FEASI[illegible]
REPORTS FOR IRRIGATION PROJECTS.

1. Topographic Maps - Give converage, scales and contour int[illegible] of available maps. Describe basis of compilation of maps.

2. Land Classifications - Have maps been prepared giving irri[illegible] gability land classification (USSR standards) ? Scales of maps? Describe basis of determination of land classes. Describe soils borings and laboratory tests.

3. Hydrologic Data. - Describe available basic data by means of maps, tables and charts.

4. Water Quality - Describe tests made and summaries results.

5. Floods and Flood control. Describe the flood problem, if any, including records of flood levels and discharges. Describe historic floods preceding formal records. Describe long-range and short-range plans for control of floods.

6. Drainage - Describe present drainage problems and situation anticipated following complete development of Irrigation.

7. Water Requirements - Based on selected cropping patterns (describe in 16) give estimated consumptive use and water losses, describe bases used for estimates.

8. Water Utilisation Studies - Describe and summarise results of studies for water utilisation including principal elements such as storage, pumping, diversion, etc.

9. Project Works - General Plan - Describe general plans adopted and alternative plans considered.

10. Project Works - Cost Estimates. - Describe the project works in the most appropriate manner including maps, plans, sketches, charts, tables and narratives. Describe basis of the cost estimates. Engineering, over-heads and administration should be shown separately. Costs in foreign currency should be separated.

11. Construction Schedule - Give proposed schedules with individual construction contracts shown separately.

12. Contracts and Procurement - Describe how these would be handled including which contracts would be let under international bidding procedures.

13. Land Tenure - Describe present position, give details of any cadastral surveys. Proposed future land distribution.

14. Agrarian Reform Law - Copy of law. Effect on proposed development.

15. Settlement - What is the basis of selection of settlers ? How is the settlement to be achieved? Size of farm units. Details of proposed housing, schools, health centres, water supply and the public services.

16. Cropping Pattern - Present level of production-volume and value at farm gate (gross and net values).
Estimated future level of production-volume and value at farm gate(gross and net values).
Show how new cropping pattern is related to land classification and water availability. Show development schedule by years.

17. Sample Farm Budgets - For different size units and cropping patterns.

18. Availability of Production Supports - (contd)

18. Availability of Production Supports -

Improved seed and planting material
Fertilisers
Machinery
Credit-Terms, etc.
Demonstration Stations
Extension Personnel
Marketing-Internal and external etc.

19. Transportation and Storage - Give details of Infrastructure to market centers and transport availability. Storage facilities.

20. Organisation and Management - Describe how these would be handled during (a) development period and (b) operational period. Give detailed organisation charts indicating numbers of personnel of various categories. The following elements should be included among those treated.

Land acquisition
Supervision of construction of project works
Operation and maintenance of project works
Land settlement
Agricultural extension including necessary on-farm works
Farm Credit.
Other supporting services
Collection of periodic charges from the farmers
Fiscal controls.

21. Financial Analysis - Present analyses of costs showing separately and by years the following;

Investments for project works
Investments for land settlement
Investments for on-farm works
Investments for supporing services
Sources of funds

Operating costs
Revenues
Amortization and interest.

22. Economic Justification. - All project investment and operating costs should be discounted to a present-worth value. Future benefits should be similarly discounted. The discounted benefits can then be compared with the discounted costs. The interest rate used for discounting would reflect and scarcity value of capital. It is suggested that two or three interest rates be used in the range 6% to 10% to determine the effect of this factor.

.....

Express Delivery

S. No. 3 | P3

S.K. MOHAN, B.E.,
Under Secretary to Government,
Public Works Department (Tech.)

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore-1, Dated: 17th Dec. 68.

D.O.No. PWD 5 GUK 65

Dear Sir,

Sub:- Upper Krishna Project - Proposal for financial assistance by I.D.A.

- - -

I am desired to enclose herewith a copy of letter No. D.5043/OSD(M)/68, dated 13-12-1968, from the Officer on Special Duty, Government of India, Ministry of Irrigation & Power, addressed to the Secretary, P.W.D. on the above subject. As desired therein, the particulars pertaining to the Upper-Krishna Project as per the Check List enclosed may kindly be collected and the entire data furnished in 15 sets immediately so as to reach Government by 24th of this month positively.

With regards,

Yours sincerely,

ISSUED
Dated 17/12/1968

Shri S.G. Balekundry, B.E.,
Chief Engineer,
Irrigation Projects (North),
DHARWAR.

GRN/2.

Chandappa Patel

S. No. 2 | P2

D.O.No.PWD 5 GUK 65 17th Dec. 68

Dear Shri Murthy,

This is to acknowledge your D.O. letter No. D.5043/OSD(M)/68 dated 13th December 1968.

am trying to collect the information required in the Check List. I hope to furnish the same to you by 7th January 1969.

Yours sincerely,

Shri K.S.S.Murthy,
Officer on Special Duty
Government of India,
Ministry of Irrigation & Power,
New Delhi.

ISSUED
Dated 17/12/68

Serial no 1

K. S. S. Murthy,
Officer on Special Duty.

D.O.No.D.5043/OSD(M)/68.

MOST IMMEDIATE
भारत सरकार
सिंचाई व बिजली मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER

नई दिल्ली, 13. 12. 188 .
New Delhi, 1968.

Dear Shri Patel,

It has been decided that certain major irrigation projects, which are either new or are at an early stage of construction/consideration, may be posed to the International Development Association for financial assistance. It is proposed to present a 'package project to the IDA concerning both irrigational and agricultural aspects, the idea being that the project should include not only the requirements of funds for irrig tion works, but also all other inter-related activities designed to promote agricultural development in the area concerned.

2. Tentatively, it has been decided to take up Upper Krishna (Stage I) project in your State for being posed to the IDA for financial assistance. I enclose a check list, outlining information to be included in such reports. The Ministry of Food and Agricultura is separately writing to the Departments concerned in your State, in regard to the information required for agricultural aspects. The check list being sent is a combined check list, both for irrigation and agriculture, and you need concern yourself only with those points which concern the project, including financial analysis and economic justification.

3. I shall be grateful if you could kindly put an officer on this job, so that he could collect the necessary data and put in proper shape. 12 copies of the data would be required by us and these may kindly be sent to us by 7th January, 1969, at the latest.

4. An IDA Mission is likely to arrive in India in the first fortnight of January. We are sorry to give you such short notice, but the IDA Mission has already finalised its programme, we had no alternative.

With kind regards,

Yours sincerely,

(K. S. S. Murthy)

Encls. As above.

Sri Chandappa Patel,
Secretary,
Govt. of Mysore,
P.W.& Elec. Department, Bangalore.

S.No. 1-A/P.

CHECK LIST OUTLINING INFORMATION TO BE INCLUDED IN FEASIBILITY REPORTS FOR IRRIGATION PROJECTS

1. Topographic Maps - Give coverage, scales and contour interval of available maps. Describe basis of compilation of maps.

2. Land Classifications - Have maps been prepared giving irrigability land classifications (USSR standards)? Scales of maps? Describe basis of determination of land classes. Describe soils borings and laboratory tests.

3. Hydrologic Data - Describe available basic data by means of maps, tables and charts.

4. Water Quality - Describe tests made and summarise results.

5. Floods and Flood Control - Describe the flood problem, if any, including records of flood levels and discharges. Describe historic floods preceding formal records. Describe long-range and short-range plans for control of floods.

6. Drainage - Describe present drainage problems and situation anticipated following complete development of irrigation.

7. Water Requirements - Based on selected cropping patterns (describe in 16) give estimated consumptive use and water losses; describe basis used for estimates.

8. Water Utilisation Studies - Describe and summarise results of studies for water utilization including principal elements such as storage, pumping, diversion etc.

9. Project Works - General Plan - Describe general plans adopted and alternative plans considered.

10. Project Works - Cost Estimates - Describe the project works in the most appropriate manner including maps, plans, sketches, charts, tables and marratives. Describe basis of the cost estimates. Engineering, over-heads and administration should be shown separately. Costs in foreign currency should be separated.

11. Construction Schedule - Give proposed schedules with individual construction contracts shown separately.

12. Contracts and Procurement - Describe how these would be handled including which contracts would be let under international bidding procedures.

..... 2

13. Land Tenure - Describe present position, give details of any cadastral surveys. Proposed future land distribution.

14. Agrarian Reform Law - Copy of law. Effect on proposed development.

15. Settlement - What is the basis of selection of settlers? How is the settlement to be achieved? Size of farm units. Details of proposed housing, schools, health centres, water supply and the public services.

16. Cropping Pattern - Present level of production-volume and value at farm gate (gross and net values).

Estimated future level of production-volume and value at farm gate (gross and net values). Show how new cropping pattern is related to land classification and water availability. Show development schedule by years.

17. Sample Farm Budgets - For different size units and cropping patterns.

18. Availability of Production Supports -

Improved seed and planting material
Fertilisers
Machinery
Credit-Terms, etc.
Demonstration stations
Extension personnel
Marketting-Internal and external etc.

19. Transportation and Storage - Give details of infrastructure to market centres and transport availability. Storage facilities.

20. Organisation and Management - Describe how these would be handled during (a) development period and (b) operational period. Give detailed organisation charts indicating numbers of personnel of various categories. The following elements should be included among those treated :

Land acquisition
Supervision of construction of project works
Operation and maintenance of project works
Land settlement
Agricultural extension including necessary on-farm works
Farm credit
Other supporting services
Collection of periodic charges from the farmers
Fiscal controls.

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21. Financial Analysis - Present analyses of costs showing separately and by years the following :

Investments for project works
Investments for land settlement
Investments for on-farm works
Investments for supporting services
Sources of funds
Operating costs
Revenues
Amortisation and interest.

22. Economic Justification - All project investment and operating costs should be discounted to a present-worth value. Future benefits should be similarly discounted. The discounted benefits can then be compared with the discounted costs. The interest rate used for discounting would reflect the scarcity value of capital. It is suggested that two or three interest rates be used in the range 6% to 10% to determine the effect of this factor.

CHECK LIST OUTLINING INFORMATION TO BE INCLUDED IN FEASIBILITY REPORTS FOR IRRIGATION PROJECTS

1. Topographic Maps - Give coverage, scales and contour interval of available maps. Describe basis of compilation of maps.

2. Land Classifications - Have maps been prepared giving irrigability land classifications (USSR standards)? Scales of maps? Describe basis of determination of land classes. Describe soils borings and laboratory tests.

3. Hydrologic Data - Describe available basic data by means of maps, tables and charts.

4. Water Quality - Describe tests made and summarise results.

5. Floods and Flood Control - Describe the flood problem, if any, including records of flood levels and discharges. Describe historic floods preceding formal records. Describe long-range and short-range plans for control of floods.

6. Drainage - Describe present drainage problems and situation anticipated following complete development of irrigation.

7. Water Requirements - Based on selected cropping patterns (describe in 16) give estimated consumptive use and water losses; describe basis used for estimates.

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..... 2

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Extension personnel
Marketting-Internal and external etc.

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....

M. G. S.	Subject:	File No. 1362/G189

S.No1 letter from the Dir of Agri. - Culture. Bangalore.

For kind perusal of the report of the Dir of Agriculture. The Memo No PWD 5 Govt 65 has been submitted to Dev Comm. The returns of the Local bdr may be awaited.

22/3/65

Work

24/3

24/3

Office of the Chief Engineer, P. W. D
Irrigation (North), P. B. No: 23
Dharwar.

No.UKP/N.21/Designs Dated: 20 MAR 1969

To

The Secretary to Government,
Public Works & Elecy.Department,
Vidhana Soudha, BANGALORE-1.

PWD (Gl. Irrgn).
No 1394 Date

P & Y SECTION
P. W. & P. D.
24 1969

SUB:- The visit of the World Bank / I.D.A. Reconnaissance Mission to Upper Krishna Project from 26th to 28th January 1969.

REF:- This office letter of even No. dated: 6-2-1969.

Sir,

The I.D.A. Mission desired that the water rates should cover the entire working & operation expenses. They also desired that the capital investment should also be recovered substantially by way of betterment as the value of the irrigated land would substantially appreciate by irrigation.

It is considered easier to collect a single levy at the end of each crop season and accordingly a consolidated levy in the form of annual tax per acre of cropped area in respect of each crop is worked out. These are chargeable on the basis of irrigated crops raised and are to be payable for at least 100 years which is considered to be the life of the Project. If the project continues to serve thereafter, the same rates may still continue. The rates have been fixed separately for each crop based on their relative water requirements.

The annual tax for fully meeting out the capital investment and waking expenses incurred both by the P.W.D. & Agricultural Department with compound interest at a rate of 6% works out as follows.

Sl. No.	Kind of Crops	Annual tax per acre in Rupees (round figures)
1.	Khariff Dry	Rs.60/-
2.	Rabi - Dry	Rs.60/-
3.	Paddy.	Rs120/-
4.	Garden Crops	Rs180/-
5.	Light perennials.	
6.	Sugar Cane.	Rs300/-

The above rates however, do not take in account amount indirect benefits to the national economy in several ways such as an all round improvement in the prosperity of the people in the ayacut area, the contribution of the ayacut in solving the food problem of the country etc. Nor does it take into account gains to Govt. by extra income tax or sales tax etc.

/...2...

It may not be therefore reasonable to levy the full rates indicated above so as to completely recover the ~~f~~ full investment at 6% compound interest.

Considering the above and with the object of providing an incentive to food production the following consolidated water tax is proposed:-

Sl. No.	Kind of crop.		Consolidated annual water tax per acre in Rupees.
1.	Khariff- Dry.	...	R 30.00
2.	Rabi - Dry	...	30.00
3.	Paddy (Kharif)	...	75.00
4.	Garden or Light perennials.	Annual ...	100.00
5.	-do-	Seasonal (4 months)	35.00
6.	Sugar Cane (Annual)	...	200.00
7.	-do-	(8 months supply except summer)	120.00

This would mean collection of maintenance and ~~f~~ operation charges and recovery of capital investment at a compound interest rate of about 3%.

The I.D.A. Mission wanted the State Government to give an undertaking to the effect that the working expenses & substantial portion of the capital investment would be recovered from irrigators. The I.D.A. Mission may therefore be intimated suitably.

Yours faithfully,

Chief Engineer, PWD.,
Irrigation (North).

Ksd.20/3.

20/3

GOVERNMENT OF MYSORE

No. PLN/TAII/9-802/68-69
Encl: 2 sets

Office of the
Director of Agriculture in Mysore.
Bangalore, March 18, 1969.

To

The Secretary to Government of Mysore,
Public Works Department,
Vidhana Soudha,
Bangalore.

R. & I. SECTION
P. W. & E. D.
No. E.3934
Date 2 MAR 1969
Section 19

Sub : Upper-Krishna Project -
Visit of the World Bank Team from
26th to 29th January, 1969.

Ref : Government letter No.PWD 5 UUQ 65
dated 13th January, 1969.

PWD (Gl. Irrgn).
No 1342 Dgee

Sir,

With reference to the letter cited above, I am to state that the World Bank Team visited the Upper Krishna Project area from 26th to 29th January 1969 instead of from 26th to 28th as originally planned. The undersigned, the Principal, Gramsevaks Training Centre, Dharwar, the Chief Engineer, P.W.D. Irrigation (North) and other concerned officers accompanied the team.

The team consisted of six members. On their arrival at Belgaum, they divided themselves into two groups - one for studying agriculture aspects and other for engineering. The agricultural group was accompanied by the undersigned and the Principal, G.T.C. Dharwar throughout the tour in the project area. Common discussions were held at lunch times and during nights and the final discussion took place at Belgaum in the evening of 28th.

4/24/3

Sri. CH 24/3

The team visited Government farms, farms of individual cultivators and demonstration units at various places and held discussions with the farmers wherever they went. During the course of discussions, the members raised a number of points and the important ones are furnished in the enclosed note along with the replies furnished.

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Among the points raised by the team, following ones are brought to the special attention of the Government:

(1) The team is of the opinion that the soil survey work of the command area should be immediately commenced and it should be completed well before the water is made available to the farmers for irrigation. It was explained to them that suitable proposals in this connection are being submitted to the Government so that the work could be taken up from April, 1969. Such proposals have already been furnished to the Chief Engineer, P.W.D. Irrigation (North) for needful action.

(2) The team expressed that an agricultural development centre should be established in the area as early as possible so that it could take up investigation on water requirement of various crops, crop rotation, development of suitable cropping patterns, evolving various improved agronomic practices suitable for various crops etc.

(3) A full pledged training centre should be established in the area so that it could take up training of personnel required for various extension and development programs in the area like staff for land survey, land development, agricultural extension programs etc. This training centre is also to be used for training of farmers and farm women on large scale in irrigation practices and raising of irrigated crops.

(4) The team was of the opinion that well trained extension staff should be provided in adequate numbers for development work as the present strength of staff is too meagre for taking up any development programmes.

The replies to points 2 to 4 above where that suitable action would be taken immediately after funds are made available for these activities.

The team made a special mention of the good cooperation between the engineering and agricultural departments in conceiving this project and presenting a good report. It expressed that this is the only State in India which has presented a well conceived and integrated programme of both agriculture and engineering aspects.

A note on the various points raised by the team along with the replies given by us is enclosed herewith for information of Government.

Yours sincerely

Director of Agriculture

A NOTE ON THE VISIT OF THE WORLD BANK/IDA TEAM TO UPPER KRISHNA PROJECT AREA FROM 26TH TO 29TH JANUARY, 1969.

-oOo-

Visit of the Team:

1.1 On their arrival at Belgaum on 26th at 9.30 a.m., they were taken to Bagalkot. After lunch, the agricultural group visited four private farms who have well irrigation and the Government Farm at the Gramsevaks Training Centre, Bagalkot. They held discussions with farmers on all these farms and at the training Centre with the farmers and staff. The engineering group visited the Almatti Dam site.

1.2 On 27th morning, they visited the farm of the Cooperative Lift Irrigation Society, Korti where they saw crop demonstrations and held discussions with members of the Society. Their main points of discussion were: cropping pattern, crop rotations, water requirement of crops, cost of irrigation, cultivation practices, benefits of irrigation, value of land after and before irrigation etc. The team then visited the Almatti Dam site; had lunch at Narayanapur and proceeded to visit the command area in Shorapur, Shahapur, Jevargi and Sindgi taluks enroute Bijapur. On the way, they saw the topography of the area, nature of soils and held discussions with farmers at a number of farms which they visited. The engineering group visited Almatti and Narayanapur Dam sites and the main canal and distributory layouts. The team reached Bijapur and halted for the night.

1.3 On 28th, all the members of the team visited Golagumuz and left for Belgaum through the G.L.B.C. area visiting a few irrigated farms and demonstrations round about Jamkhandi to see the border strip layout of land for irrigation. They held discussions with farmers and officers of the Agricultural Department.

1.4 The full team held the final discussions at Belgaum in the afternoon of 28th w

1.5 The members asked for certain records and technical information which was furnished during the course of discussions. It was necessary to collect some additional information and send it on

...2

to them after they left. Copies of the information supplied to the team are enclosed to this note for information of Government.

1.6 The team left for Bombay on 29th morning.

2. During their visits to the command area and discussions at various places, the members of the team raised certain points. The important ones are listed below along with replies given thereon:

Points raised.	Clarification given
1. Water duties taken at 120 acres per cusec for dry-cum-wet irrigation is on the higher side.	The duties assumed for T.B.P. area based on research conducted for that area is 150 acres. Based on the experience under various major project areas the duties for the Upper Krishna Project has been taken as 120 acres. This is subject to modification based on the research and field studies proposed to be undertaken in the project area.
2. Soil survey work of command area should be started immediately and completed before the water is made available to farmers for irrigation.	Proposals for sanction of soil survey scheme is under consideration and the survey work is likely to be started from April, 1969. The survey is expected to be completed within five years from now. Survey of the first stage of Upper Krishna Project will be done first and then second stage work should be taken up.
3. Suitable crop rotations, cropping pattern, water requirement of various crops and agronomic practices as suitable to the area should be evolved, so that these recommendations are available to the farmers when then start taking water for irrigation.	It has been already contemplated to establish Agricultural Development - Centre in the area which would take up work on these aspects and evolve suitable recommendations for giving to the farmers. Such Development Centre would be started soon.
4. Training of large number of personnel	Training Centre for training both officials and non-officials has ...3

4. contd.

required for land survey, land formation, extension and development work should be started early so that well trained men would be available to implement the various activities of the programme. This is necessary to be done simultaneously when the construction work is in progress. This Centre should be developed in such a way that large scale training of farmers and farm women could be trained for irrigation practices.

been contemplated and included in the Project Note. This will be a full pledged training Centre with all physcal facilities, staff and equipments. This centre would also be started well in time.

5. The area close to the head works is mostly rocky for a few miles and use of water in this area for irrigation may not be very economic.

Though the area close to the Narayanapur Dam is rocky predominently, there are some patches which could be irrigated. However, if it is not going to be economic from the point of quantity of water used, such area could be eliminated.

6. Areas at road and stream crossings were pointed out as having developed alkalinity and land having gone waste. This kind of area is likely to increase when irrigation water becomes available.

It has been contemplated to provide suitable culverts and bridges at nala and stream crossings so that water can flow freely. Also it has been provided to keep streams and nalas clear from shrubs and perineal grass weeds to provide better drainage. Provision has been made in the project for this purpose.

7. The project now provides for 144 per cent cropping intensity for both Kharif and Rubi together, whereas it is desirable that three crops are taken on every acre

The cropping intensity is not likely to be more than about 160 per cent for two reasons viz.(1) limited storage capacity in the lakes and (2) that it is desirable to spread benefits to a larger area to avoid

7. contd. of land i.e. amounting to 300 per cent intensity, even though it will mean reduction of the command area to roughly half its present size.	famine conditions. It has been planned to give water for a period of 8 months in a year. More intensity is likely to be there if the farmers tap the underground supplies of water by digging wells and using the underground water for the remaining four months. Raising of paddy is proposed to be limited to only water logged and low lying areas and cultivation of sugarcane will be restricted to areas close to the head works. Such of the farmers who would utilize the underground water by digging wells may grow sugercane in other areas also.
8. Cropping pattern should not be fixed for all the time. It should be reviewed from time to time.	The Agriculture Development Centre would conduct research on cropping pattern and crop rotations continuously. The pattern recommended in the beginning will be constantly reviewed and suitable modifications made periodically based on the research findings, experiences of the field staff, farmers' requirement and likings.
9. The staff provided in the project note for extension work as well as development work do not appear to be adequate in view of the high intensity of work involved when water becomes available.	Adequate staff would be provided to meet the increasing demands of the farmers.

The team wanted information on various aspects including size of land holdings, credit facilities, storage facilities, wage rates, price variations for different inputs and outputs etc. and all this information has been furnished to them. A set of statements that were furnished to the team is enclosed.

The team was generally convinced of the farmers response and preparedness to receive water. It was also convinced of the benefits of irrigation to this famine striken area.

On going through the command area, the team was of the opinion that, barring the area close to the Narayanapur Dam which is rocky, the command area is ideally suited for irrigation provided adequate drainage precautions are taken right from the beginning.

At the concluding meeting at Belgaum, the leader of the mission remarked that prospects of irrigation in the Upper Krishna Project area are very bright and the farmers are very responsive for taking advantage of irrigation.

I Dhanuka

Director of Agriculture
in Mysore, Bangalore.

~~Bangalore:~~
~~Dated 5.1969.~~

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LIST OF ENCLOSURES

1. Distribution of land holdings
2. Scale of finances of production credit, Sindgi & Indi Taluks.
3. Scale of finance of production credit, Jevargi, Shahapur & Shorapur Taluks.
4. Production Credits.
5. Medium term credits.
6. Long term credits.
7. Purchase price of food grains by Government.
8. Market rate prices of main farm produces of Indi Taluk for 3 years - monthwise.
9. - do - - do - - do - Singdi Taluk.
10. - do - - do - - do - Jevargi Taluk
11. - do - - do - - do - Shahapur Taluk.
12. - do - - do - - do - Shorapur Taluk.
13. Selling prices of fertilisers.
14. Selling prices of seeds.
15. Labour wages for Indi Taluk for three years.
16. " " Sindgi " " "
17. " " Jevargi " " "
18. " " Shahapur." " "
19. " " Shorapur." " "
20. Processing capacities.
21. Storage capacities.
22. Fertiliser consumption and requirement.
23. Plant Protection chemicals-consumption & requirements.
24. A to H Farm budget sheets.
25. Water charges and Land assessment.

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ENCLOSURE:1

DISTRIBUTION OF LAND HOLDINGS ACCORDING TO SIZE OF OWNERSHIP, SHORAPUR TALUK, GULBARGA DIST., MYSORE STATE - I N D I A.

Size of holdings in acres.	No. of holdings	Percentage to total	Total area in acres	Percentage to total.
Less than 5	7,451	26.70	21,111	5.37
5 to 10	7,548	27.05	89,815	22.87
10 to 50	12,357	44.28	2,38,012	60.60
50 to 100	491	1.75	32,959	8.40
over 100	63	0.22	10,874	2.76
	27,910	100.00	3,92,771	100.00

Average size of holding: 14.1 Acres.

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DISTRIVUTION OF LAND HOLDINGS ACCORDING TO SIZE OF OWNERSHIP, BIJAPUR DISTRICT: MYSORE STATE, INDIA

Size of holdings in acres.	Number of holdings.	Percentage to total	Total area in acres.	Percentage to total.
Less than 5	68,800	30.33	1,95,000	5.17
5 to 10	49,100	21,65	3,46,000	9.27
10 to 60	1,01,000	44,54	13,39,000	62.65
60 to 100	5,500	2.42	4,09,000	10.96
Over 100	2,400	1.06	4,[illegible]6,000	11.95
	2,26,800	100.00	37,35,000	100.00

Average size of holdings: 12.9 acres.

******

ENCLOSURE:2.

SCALE OF FINANCE FOR PRODUCTION CREDIT

Sindgi & Indi Taluks
(Per acre in rupees)

CROPS	1966-67								1967-68								1968-69							
	Dry				Irrigated				Dry				Irrigated				Dry				Irrigated			
	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total
Traditional Varieties																								
Jowar.	-	-	-	35	-	-	-	50	35	30	15	80	100	[illegible]	40	220	35	30	15	80	80	100	40	220
Bajra.	-	-	-	20	-	-	-	-	20	70	35	125	-	-	-	-	30	30	15	75	-	-	-	-
Gr.Nut.	-	-	-	55	-	-	-	-	55	40	20	115	-	-	-	-	55	60	20	135	55	100	30	185
Wheat.	-	-	-	40	-	-	-	61	40	30	15	85	60	8[illegible]	40	180	40	30	15	85	60	80	40	180
Cotton.	-	-	-	40	-	-	-	100	40	40	20	100	100	8[illegible]	40	220	40	40	20	100	100	100	40	240
High Yielding Varieties																								
Hy.Jowar.	-	-	-	-	-	-	-	-	-	-	-	-	75	175	50	300	-	-	-	-	80	200	40	320
Hy.Maize.	-	-	-	-	-	-	-	-	-	-	-	-	60	170	50	230	-	-	-	-	70	200	30	300
Hy.Bajra.	-	-	-	-	-	-	-	-	-	-	-	-	50	120	30	200	35	70	35	140	70	120	30	220
Mexican Wheat.	-	-	-	-	-	-	-	-	-	-	-	-	40	160	30	230	-	-	-	-	40	130	30	240
T.65Paddy.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

A = Cash
B = In kind fertilisers, chemicals etc.,
C = cash provided 'B' component is taken.

These scales are fixed in the annual field workers' conference at district level, where farmers, co-operators and officials are present.

Enclosures:3

SCALE OF FINANCE FOR PRODUCTION CREDIT
JEVARGI, SHAHAPUR & SHORAPUR TALUKS
Per acre in rupees.

Crops		1968-69							
		Dry				Irrigated			
		A	B	C	Total	A	B	C	Total
Traditional Varieties:	Jowar.	35	30	15	80	50	100	50	200
	Bajra.	35	30	15	80	-	-	-	-
	Gr.Nut.	40	30	15	85	-	-	-	-
	Wheat.	40	30	15	85	-	-	-	-
	Cotton.	40	30	15	85	-	-	-	-
	Paddy.	-	-	-	-	50	100	50	200
High Yielding Varieties:	Hy.Jowar.	-	-	-	-	129	175	-	304
	Hy.Maize.	-	-	-	-	115	172	-	287
	Hy.Bajra.	-	-	-	-	111	97	-	208
	M.Wheat.	-	-	-	-	73	162	-	235
	T.65 Paddy.	-	-	-	-	93	162	-	255

Enclosure:4

PRODUCTION CREDITS

Krishna
Stage- I, Upper Project Area, Mysore, India.

Items.	1965-66	1966-67	1967-68	Projects	Remarks.
	(Credit advanced rupees in lakhs by Cooperative)				
India.	22.33	22.07	29.11		These loans are issued for raising crops. Each farmers can get loan upto Rs.2,000/- In special cases it could be raised.
Sindgi.	12.30	12.85	6.18		
Jevargi.	3.71	5.63	5.85		
Shapur.	3.21	2.33	2.60		
Shorepur	4.09	3.94	5.18		
Total	46.64	46.82	48.92		
Credits by money lenders. (Approx)	40.00	40.40	44.00		
Govt.Loans (Taccavi) Approximately.	3.00	3.00	3.00		
Grand Total	89.64	89.22	95.92	Rs. 1,500 Lakhs.	
Rate of intrest - Crops			5.75%		
Private.			12% to 25%		
Number of borrowers	29,380	29,700	31,973		

Enclosure: 5.

MEDIUM TERM LOANS

Stage - I, Uper Krishna Project, Mysore State, INDIA.
(Credits advanced rupees in lakhs by coops)

Items	1965-66	1966-67	1967-68 Projected	Remarks.
Indi	0.13	0.31	0.54	This loan is advanced for purchase of cattle and farm implements. Loan could be issued upto Rs.5,000 for each farmers. In special cases it could be more.
Sindgi.	0.86	0.50	-	
Devargi.	Not advanced		-	
Shahapur.	Not advanced		-	
Shorapur.	Not advanced		-	
Total:	0.99	0.81	0.54	-

No. of Farmers benefited: 224 82 71

Rate of interest: - 9.37%

Enclosure: 6

LONG TERM CREDITS

State - I, Upper Krishna Project area, Mysore State INDIA.
(Credits in lakh rupees by Co-ops.)

Items.	1965-66	1966-67	1967-68	Projected.	Remarks
Indi.	0.39	0.87	1.19		These loans are issued for well sinking, land development, debt redemption, purchase of pump sets, tractors etc., Limitation is upto Rs.15,000. In case of tractors it is upto Rs.30,000/-
Sindgi.	0.51	2.11	4.85		
Jevargi.	0.29	0.87	1.49		
Shahapur.	1.87	1.41	2.54		
Shorapur.	0.87	1.98	1.81		
Total.	3.93	7.24	11.84	2000 Lakhs.	
No. of beneficiaries.	220	283	353		

Rate of interest : 6%

BRL/6.

[redacted]: 7

PURCHASE PRICE OF FOOD GRAINS PROCURED BY GOVERNMENT
[redacted]

Year	[redacted]	[redacted]	Paddy	Rice	Wheat	Remarks
[redacted]	[redacted]	[redacted]	[redacted]	-	[redacted]	
1966-67	[redacted]	[redacted]	[redacted]	[redacted]	-	
1967-68	[redacted]	[redacted]	[redacted]	[redacted]	-	
1968-69	[redacted]	[redacted]	[redacted]	[redacted]	-	

[redacted]

ENCLOSURE:8

Statement showing the market [illegible] prices of commodities per quintal for the years [illegible] 1947 and 1948 in [illegible] Taluk, [illegible] Mysore State, India.

Crop	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	June	July	August	[illegible]	Oct.	Nov.	Dec.
1946												
[illegible]	-	85	-	-	-	75	-	80	[illegible]	68	66	68
[illegible]	-	-	-	-	-	-	-	-	[illegible]	-	-	-
[illegible]	125	120	110	-	-	117	-	130	[illegible]	120	124	120
[illegible]	-	-	-	-	-	-	-	60	[illegible]	55	50	-
[illegible]	114	114	119	118	[illegible]	125	123	125	[illegible]	-	-	-
[illegible]	135	110	140	[illegible]	[illegible]	145	140	180	[illegible]	140	130	140
[illegible]	-	-	-	-	-	-	-	-	[illegible]	-	-	-
[illegible]	110	120	125	114	[illegible]	120	122	140	[illegible]	130	125	-
[illegible]	75	75	75	72	75	75	75	75	[illegible]	72	78	75
[illegible]	-	-	-	-	-	-	95	95	[illegible]	105	110	100
1947												
[illegible]	68	68	65	-	-	-	-	-	[illegible]	-	-	-
[illegible]	-	-	-	-	-	-	-	-	[illegible]	-	-	-
[illegible]	130	125	[illegible]	125	126	130	-	-	[illegible]	-	-	155
[illegible]	-	46	82	-	-	-	84	-	[illegible]	-	-	-
[illegible]	-	114	137	148	126	126	129	134	[illegible]	-	-	-
[illegible] Pods	170	170	165	160	160	165	130	-	[illegible]	110	115	118
[illegible]	-	-	-	-	-	-	-	-	[illegible]	-	-	-
[illegible]	130	125	125	125	130	155	-	-	[illegible]	190	200	-
[illegible]	95	83	82	95	104	105	-	-	[illegible]	-	-	-
[illegible]	85	-	90	-	110	100	145	120	[illegible]	-	-	-
1948												
Jowar Rabi	-	-	-	-	-	-	-	-	-	82	-	-
Kharif	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	155	-	-	-	-	-	-
Ragi	-	-	-	-	-	-	-	-	-	-	-	-
Cotton-jay	130	135	135	120	140	140	-	-	-	-	-	-
G.N. Pods	105	90	-	95	95	100	-	-	140	80	95	100
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Gram	-	150	142	-	-	165	-	-	-	-	-	-
Tur	-	-	95	95	85	90	-	-	-	-	-	-
Mung	-	-	-	-	-	-	-	-	-	-	-	-

ENCLOSURE: 9

Statement showing the [illegible] retail prices of commodities per [illegible] for the years 1966, 1967 and 1968 in [illegible] Taluk, Bijapur District [illegible] State, India.

Crop	Jan	Feb.	March	April	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1966												
Jowar-Sharif	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	82	82	82	82	82	72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	-	116	[illegible]	[illegible]	[illegible]	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	116
[illegible]	[illegible]	[illegible]	[illegible]	-	[illegible]	78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Jaydhar	115	115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-	-	-	-
[illegible] Tuka	120	120	[illegible]	[illegible]	[illegible]	120	[illegible]	[illegible]	-	[illegible]	[illegible]	140
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	-	[illegible]	[illegible]	-	-	-	-	-	-	-	-
[illegible]	75	75	75	75	-	-	[illegible]	[illegible]	-	-	75	70
[illegible]	-	-	-	-	-	-	[illegible]	[illegible]	95	91	-	105
1967												
Jowar-Sharif	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	[illegible]	[illegible]	-	-	[illegible]	65	[illegible]	[illegible]	-	-	-	-
[illegible]	110	120	110	-	-	-	[illegible]	-	-	-	-	-
[illegible]	82	82	-	[illegible]	-	54	[illegible]	-	-	-	82	-
[illegible] Jay	115	140	[illegible]	[illegible]	[illegible]	120	[illegible]	-	-	-	-	-
[illegible] Tuka	105	120	[illegible]	[illegible]	[illegible]	105	[illegible]	[illegible]	-	80	115	115
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	125	-	120	[illegible]	-	[illegible]	[illegible]	-	-	-	175
[illegible]	75	82	82	[illegible]	98	105	[illegible]	[illegible]	-	-	-	-
[illegible]	105	-	-	-	-	-	-	-	-	140	-	125
1968												
Jowar-Sharif	=	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	60	58	-	-	-	74	[illegible]	-	-	-	74
[illegible]	160	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	60	-	-	-	-	-	[illegible]	-	-	-	52
[illegible] Jay	120	125	115	108	122	125	-	-	-	-	-	-
[illegible] Tuka	110	75	90	-	-	95	90	102	120	110	115	115
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	145	-	-	-	-	-	-	-	-	[illegible]	-	-
[illegible]	-	-	-	-	-	-	-	[illegible]	[illegible]	[illegible]	-	[illegible]
[illegible]	-	-	-	-	-	-	-	105	115	105	-	75

ENCLOSURE: 10

Statement showing the market gate prices of Agricultural commodities [illegible] for the year [illegible], Kalimpur, Kalimpur District, [illegible]

Crop	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Jowar-Kharif	74	-	-	72	70	70	70	72	74	66	64	68
[illegible]	74	[illegible]	74	-	-	-	-	-	138	138	116	[illegible]
Wheat	138	[illegible]	140	[illegible]	[illegible]	155	[illegible]	[illegible]	88	57	[illegible]	[illegible]
[illegible]	73	72	74	[illegible]	[illegible]	75	[illegible]	[illegible]	-	-	-	-
[illegible]	-	-	-	-	-	-	[illegible]	[illegible]	101	110	108	102
[illegible]	117	121	122	127	101	104	100	99	-	-	-	-
[illegible]	-	-	-	-	-	-	-	-	135	132	118	122
[illegible]	128	135	102	112	111	112	[illegible]	[illegible]	88	118	113	116
[illegible]	86	89	91	90	88	100	[illegible]	[illegible]	98	112	113	116
Jowar-Kharif	80	-	-	-	-	86	-	-	-	-	-	-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wheat	141	[illegible]	[illegible]	[illegible]	[illegible]	151	[illegible]	[illegible]	150	178	[illegible]	[illegible]
[illegible]	82	[illegible]	[illegible]	[illegible]	[illegible]	80	[illegible]	[illegible]	78	70	84	88
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
G.Nut.Pod	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	102	[illegible]	[illegible]	153	165	[illegible]	[illegible]
Gram	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]
Tur	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	168	[illegible]	[illegible]	[illegible]
Moong	113	121	120	120	[illegible]	150	[illegible]	138	140	144	134	128
Jowar-Kharif	-	71	-	-	-	-	-	-	-	-	-	-
[illegible]	84	66	66	71	72	75	72	80	94	84	80	[illegible]
Wheat	176	136	138	146	148	135	[illegible]	146	156	140	147	[illegible]
[illegible]	68	68	66	72	74	70	72	76	76	82	84	80
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
G.Nut Pod	102	98	98	98	97	88	[illegible]	119	138	136	116	[illegible]
Gram	190	140	145	138	98	84	[illegible]	96	96	97	[illegible]	[illegible]
Tur	150	124	120	116	112	110	[illegible]	116	126	116	[illegible]	[illegible]
Moong	118	134	130	128	130	128	[illegible]	130	128	128	[illegible]	[illegible]

DJV/5.

ENCLOSURE: 11

Statement showing the market gate prices of commodities per quintal for the years 1966, 1967 and 1968 in Shahapur taluka, Gulbarga District, Mysore State, India.

Crop.	Jan	Feb	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Jowar-Kharif	76	[illegible]	70	[illegible]	70	[illegible]	73	72	73	70	63	[illegible]
-Rabi	-	[illegible]	-	-	-	-	-	-	-	-	-	-
Wheat.	129	[illegible]	150	[illegible]	134	133	130	125	[illegible]	131	124	[illegible]
Bajra.	[illegible]	[illegible]	-	[illegible]	[illegible]	-	77	-	61	55	50	51
Cotton.	-	[illegible]	-	[illegible]	157	-	-	-	-	-	-	-
G.N.Pods	123	[illegible]	[illegible]	[illegible]	151	155	167	180	160	126	120	130
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Gram.	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	145	148	150	-
Tur	72	[illegible]	72	[illegible]	[illegible]	[illegible]	73	68	75	78	70	66
Mung	86	-	-	-	-	-	90	90	90	100	100	120
Jowar-Kharif	55	-	[illegible]	55	56	57	-	63	60	[illegible]	[illegible]	66
-Rabi	[illegible]	[illegible]	67	[illegible]	[illegible]	[illegible]	[illegible]	70	76	[illegible]	79	78
Wheat	128	130	135	134	132	140	[illegible]	145	[illegible]	-	[illegible]	160
Bajra	51	50	-	-	-	-	[illegible]	[illegible]	[illegible]	[illegible]	83	61
Cotton-Lax.	-	-	-	-	184	180	[illegible]	180	[illegible]	145	-	-
Jow.	-	-	-	-	-	[illegible]	[illegible]	-	-	-	-	-
G.N.Pods	163	170	162	160	[illegible]	[illegible]	[illegible]	120	115	110	110	110
Grams	-	136	-	-	-	[illegible]	-	[illegible]	-	-	-	-
Tur.	78	85	88	96	[illegible]	[illegible]	104	104	[illegible]	157	-	131
Mung.	-	-	121	-	-	-	-	105	[illegible]	[illegible]	-	-
Jowar-Kharif	65	65	54	60	-	-	-	-	-	-	56	50
-Rabi	75	68	64	69	-	-	-	74	-	82	75	77
Wheat	165	136	146	136	138	-	-	145	-	135	150	135
Bajra	60	60	58	62	-	-	-	-	-	[illegible]	56	52
Cotton-Lax.	-	165	132	142	150	-	-	-	-	-	-	-
-Jow	135	-	-	-	-	-	-	-	-	-	-	-
G.N.Pod	96	93	91	94	92	-	-	112	-	113	107	111
Gram	-	-	142	-	82	-	-	-	-	81	-	-
Tur.	125	116	108	96	96	-	-	-	-	147	-	-

107 98 98

ENCLOSURE: 12

Statement showing the market gate prices of commodities per quintal for the years 1966, 1967, and [illegible] in Shorapur taluka, Gulbarga District, Mysore State, India.

Crop.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
[illegible]												
Jowar-Kharif	80	66	74	74	72	78	73	74	75	76	67	65
-Rabi.	87	71	78	-	-	-	-	-	-	-	-	-
Wheat.	106	106	146	-	146	-	143	-	125	128	130	125
Bajra.	71	65	65	-	75	80	-	-	-	57	62	62
Cotton.	-	125L	126L136J	147L	148	-	-	-	-	-	-	-
[illegible] G.N.Pods	124	121	136	148	150	155	167	177	140	119	123	142
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]	-	-	-	-	-	-	126	148	-	-	-	-
Gram	-	-	-	-	-	-	-	-	81	-	-	-
Tur.	-	-	-	-	-	-	-	-	104	93	-	-
Mung.	-	-	-	-	-	-	-	-	-	-	-	-
[illegible]												
Jowar-Kharif.	-	-	-	-	-	-	-	-	-	-	-	-
-Rabi	56	63	69	68	68	68	75	77	86	87	90	81
Wheat	125	121	140	117	124	124	140	134	-	-	123	-
Bajra	57	57	-	53	53	-	-	-	-	73	64	60
Cotton-Lax	122	-	128	151	152	150	135	168	-	-	-	-
-Jow	-	-	139	-	134	-	-	-	-	-	-	-
G.N.Pods.	159	166	163	161	168	170	127	116	110	112	99	104
[illegible]	-	-	-	-	-	-	160	-	-	-	-	-
[illegible].Tur.	78	81	96	-	98	104	-	-	-	-	-	147
Mung.	-	-	-	-	-	-	112	111	-	-	112	-
[illegible]												
Jowar-Kharif.	68	67	60	-	68	68	60	-	-	71	59	60
-Rabi.	79	67	68	70	69	70	75	-	84	89	81	79
Wheat	160	129	135	144	-	150	-	140	140	153	155	140
Bajra	61	62	60	63	60	60	64	70	70	58	54	55
Cotton-Lax	-	150	156	124	150	150	125	156	150	-	116	-
-Jow	-	-	-	111	-	-	-	-	-	-	-	-
G.N.Pod	100	90	86	93	86	86	89	130	136	116	117	117
Gram	-	-	-	-	-	-	-	-	-	-	-	-
Tur	121	120	-	-	-	-	-	-	122	-	140	73
Mung	115	115	-	-	-	-	-	150	-	114	-	80

ENCLOSURE: 13

[redacted] and Bulk Trade of [redacted]

	[redacted]		[redacted]		[redacted]	
	[redacted]		[redacted]		[redacted]	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2. [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

[redacted] The selling prices in Jarvagi, Shahapur and [redacted] also is approximately the same as above.

[redacted].

ENCLOSURE: 14

[redacted]

The selling rates of seeds of various [redacted] varieties recommended in circular 55 to 105 shows the prices of these types sold for consumption purposes of 25 kgs/25 kg for pure and good quality seeds, for certified storage, handling etc.

In case of hybrids, following are the selling prices to farmers:-

Types	[redacted]	[redacted]
Hybrid Jowar	Rs. [redacted] per kg	Rs. 7.00 per kg
Hybrid Maize	Rs. [redacted] per kg	Rs. 3.00 per kg.
Hybrid Bajra	Rs. [redacted] per kg	Rs. 7.00 per kg.

djv/6.

ENCLOSURE: 15

[redacted]

	[redacted]											
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Men	1:00	1:00	1:00	1:00	1:00	[redacted]	1:00	1:00	1:50	1:00	1:00	1:00
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00
Children	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:50	0:00	0:00	0:00
						[redacted]						
Men	1:00	1:00	1:00	1:00	1:00	2:00	2:00	0:00	2:00	2:00	2:00	2:00
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	0:00	1:00	1:00	1:00	1:00
Children	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:75	0:00	0:00	0:00
						[redacted]						
Men	2:00	2:00	2:00	2:00	2:00	2:00	2:00	0:00	2:00	2:00	1.75	1.75
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	0:00	1:00	1:00	1:00	1:00
Children	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00

DJV/6.

ENCLOSURE: 16

[redacted]

	[redacted]								Sept.	[redacted]		
[redacted]	[redacted]								1:45	[redacted]		
[redacted]	[redacted]								0:75	[redacted]		
[redacted]	[redacted]								0:30	[redacted]		
[redacted]	[redacted]								2:00	[redacted]		
[redacted]	[redacted]								1:00	[redacted]		
[redacted]	[redacted]								0:75	[redacted]		
[redacted]	[redacted]								2:00	[redacted]		
[redacted]	[redacted]								1:00	[redacted]		
[redacted]	[redacted]								0:75	[redacted]		

NJF/Ss.

ENCLOSURE: 17

Statement showing daily wage rates in rupees as they [illegible] three [illegible] Albertha [illegible]

	Jan.	Feb.	[illegible]	[illegible]	May	[illegible]	[illegible]	[illegible]	Sept.	Oct.	Nov.	Dec.
[illegible]	[illegible]	2:00	[illegible]	[illegible]	1:00	[illegible]	[illegible]	[illegible]	2:00	2:00	2:00	2:00
[illegible]	1:00	1:00	1:00	1:00	1:00	0:00	1:00	[illegible]	1:00	1:00	1:00	1:00
[illegible]	0:00	0:75	[illegible]	[illegible]	0:75	[illegible]	[illegible]	[illegible]	0:75	0:75	0:75	0:75
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

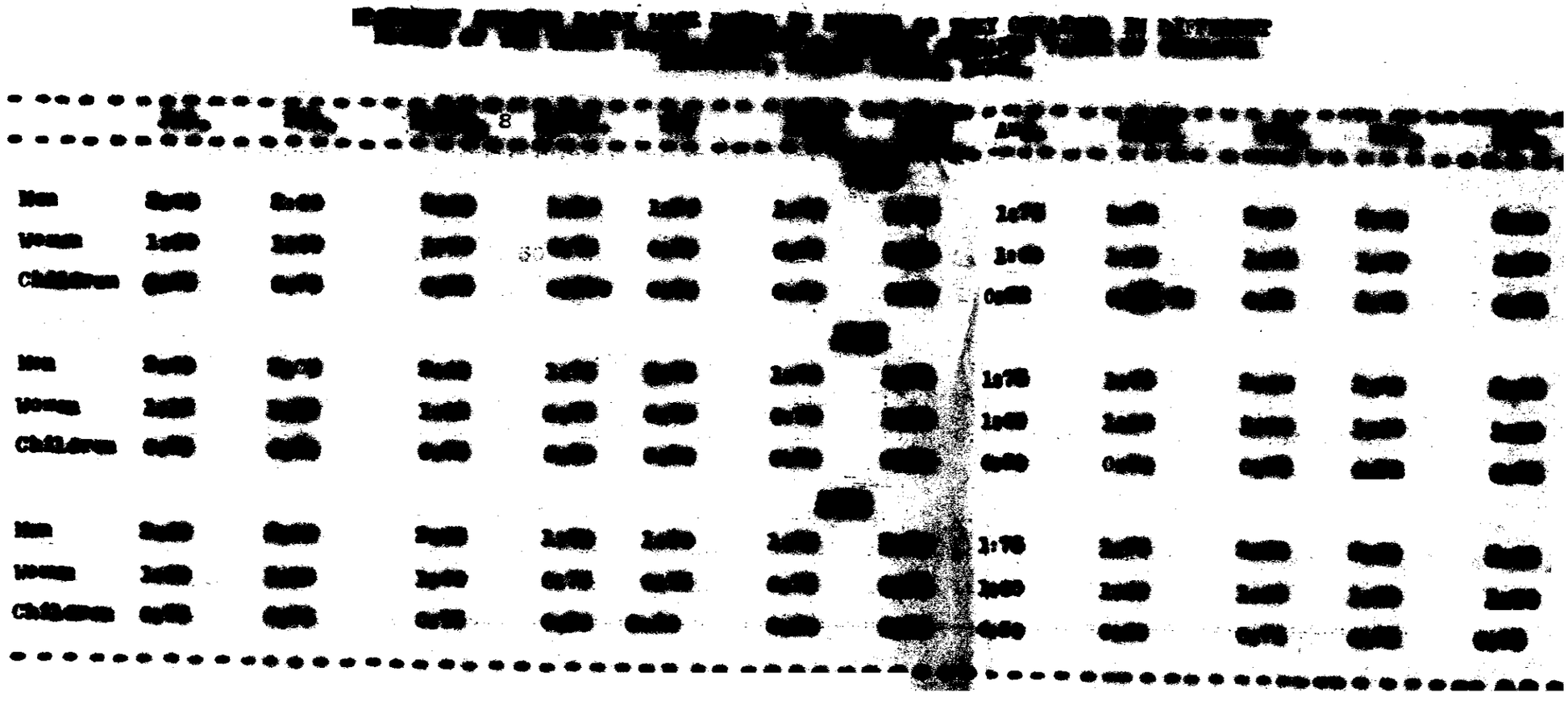
BJV.d/.

ENCLOSURE: 18

Statement showing daily wage rates in rupees as they obtained in different months of [illegible] 1947 and 1948 in Shahapur Taluka of Gulbarga District, [illegible] State, India.

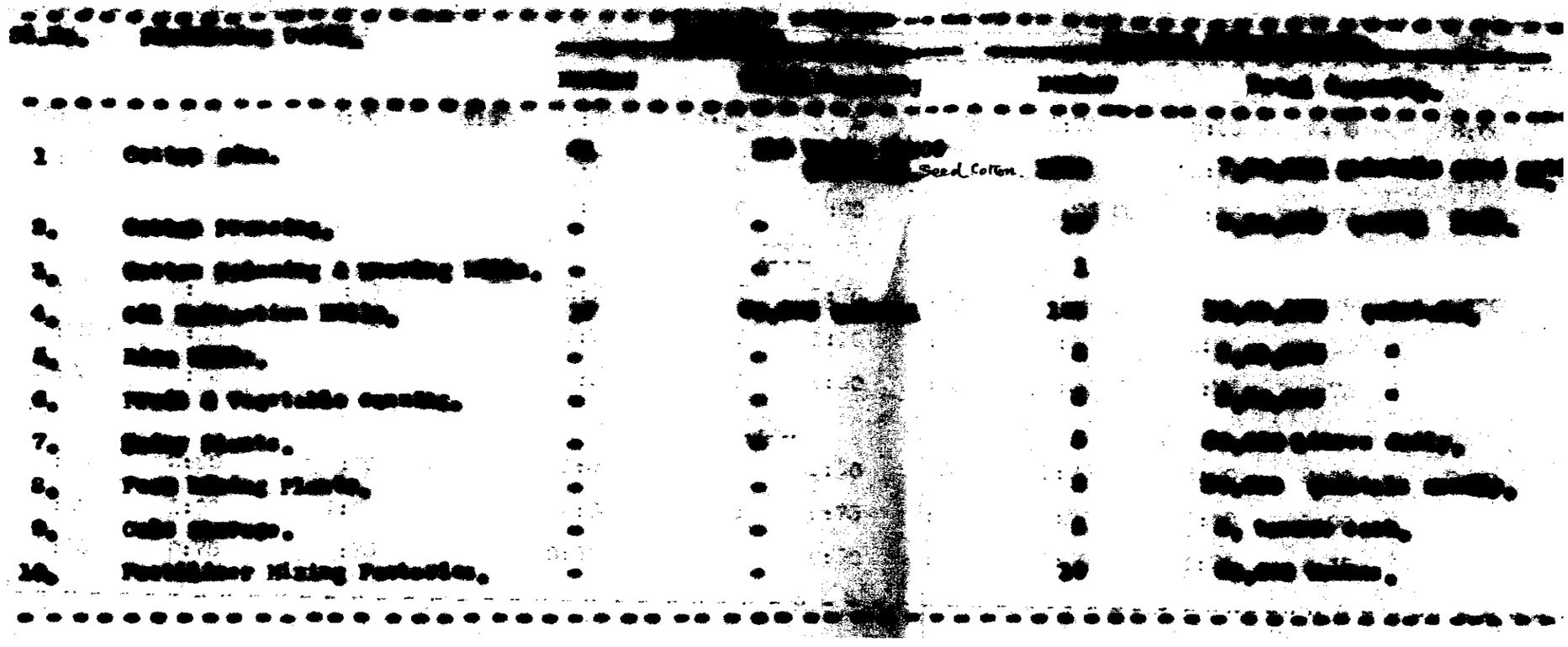
	Jan.	Feb.	March	April	[illegible]	[illegible]	July	August	Sept.	Oct.	Nov.	Dec.
Men	2:00	2:00	2:00	2:00	2:00	[illegible]	2:00	1:50	1:50	1:50	[illegible]	2:00
Women	[illegible]	[illegible]	1:50	1:50	[illegible]	[illegible]	1:50	0:75	0:75	[illegible]	[illegible]	1:50
Children	1:00	1:00	1:00	1:00	[illegible]	[illegible]	1:00	0:50	[illegible]	0:50	[illegible]	[illegible]
Men.	2:00	2:00	[illegible]	2:00	2:00	[illegible]	[illegible]50	1:50	1:50	1:50	1:50	2:00
Women	1:50	1:50	1:50	1:50	1:50	[illegible]	[illegible]75	0:75	0:75	0:75	0:75	1:50
Children	1:00	1:00	1:00	1:00	1:00	[illegible]	[illegible]50	0:50	0:50	0:50	0:50	1:00
Men	2:00	2:00	2:00	2:00	[illegible]	[illegible]	[illegible]00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Women	1:50	1:50	1:50	1:50	1:50	[illegible]	[illegible]50	1:00	[illegible]1:00	1:00	[illegible]	1:50
Children	1:00	1:00	1:00	1:00	1:00	[illegible]	[illegible]00	0:50	0:50	[illegible]	[illegible]	[illegible]

Enclosure: 19



Enclosure: 20

[redacted]



Enclosure: 24.

STATEMENT SHOWING THE STORAGE CAPACITIES IN DIFFERENT TALUKS OF STAGE-I,
UPPER [illegible] PROJECT, [illegible] STATE, INDIA.

[illegible]

Sl.No.	[illegible]	[illegible]						
1.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
3.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
4.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
5.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

NOTE:

ENCLOSURE: 22

Present consumption and requirements of fertilizers
for the area commanded by Stage-I, Upper Krishna Project
Mysore State, India.
(Metric Tonnes).

S.No.	Taluks	Present Consumption			Present Requirements			Project requirements.		
		N	P	K	N	P	K	N	P	K
1.	Indi	360	150	75	780	600	145	5400	1800	1800
2.	Sindgi	340	150	75	1300	1060	330	6400	4100	3200
3.	Jevargi	60	15	8	1476	1414	280	7880	8139	1785
4.	Shahapur	36	10	2	764	856	210	7038	7719	1420
5.	Shorapur	12	6	0	1334	1002	361	7038	7719	1420
	Total:	808	331	160	5654	4932	1326	31736	29477	9625

ENCLOSURE: 23

Present Consumption and requirements of Plant Protection Chemicals for the area commanded by Stage-1, Upper Krishna Project, Mysore State, India.

S.No.	Taluks	Dusts in tonns			Liquid in litres.		
		Present consumption	Present requirements.	Project requirements.	Present consumption	Present requirements.	Project requirements.
1.	Indi	30	600	700	[illegible]	2,800	15,000
2.	Sindgi	34	1500	1600	[illegible]	7,000	28,000
3.	Jevargi	13	1700	1800	[illegible]	8,000	30,000
4.	Shahapur	2	1550	1700	[illegible]	7,500	29,000
5.	Shorapur	1	1800	1700	[illegible]	7,500	29,000
	Totals	80	7,150	7,500	[illegible]	32,800	1,31,000

Selling price of liquids Rs.29.48 per [illegible]

Selling price of dust Rs.908.62 per [illegible]

ENCLOSURE: 24 A

[redacted]

S.No.	Items	Irrigated (hours per acre.)	[redacted] per acre.
	[redacted]		
1.	[redacted] -		
	[redacted] (own type)	31.06	6.44
	[redacted] (Bullock days)	16.15	6.31
2.	[redacted] -		
	[redacted]	14.05	4.23
	[redacted]	4.77	1.16
	Total human labour	47.11	10.67
	Total bullock labour	20.90	7.67
3.	Seeds (i) Main (kgs)	3.67	2.04
	(ii) Mixture	0.70	1.60
4.	Manures (Tons)	2.87	0.25
5.	Fertilisers (Kg)	1.20	0.00
6.	Disease & pest control	-	-
	[redacted]		
7.	Grain (i) Main (Kg)	[redacted]	[redacted]
	(ii) Mixture (kg)	[redacted]	[redacted]
8.	Fodder (tons)	2.00	1.50

ENCLOSURES: 24 B

Statistics on physical input and output relationship according to irrigated and [redacted] in Shettigondlu left bank [redacted], 1961-62.

(Mysore State, India).

S.No.	Items	Irrigated groundnut per acre	Rainfed groundnut per acre.
	[redacted]		
1.	[redacted] -		
	[redacted] (man days)	28.73	7.94
	[redacted] (bullock days)	9.94	7.32
2.	[redacted] hired -		
	[redacted]	8.78	11.52
	[redacted]	3.70	1.20
	[redacted] Human labour	37.53	19.46
	[redacted] bullock labour	13.64	8.52
3.	Seeds (i) Main (kgs)	27.03	17.26
	(ii) Mixture (kgs)	0.12	-
4.	Manure (tons)	0.06	0.55
5.	Fertilisers	-	-
6.	Diseases & pest control	-	-
	OUTPUT		
7.	Grains (i) Main (kgs)	253.82	138.36
	(ii) Mixture (kgs)	-	-
8.	Fodder (tons)	4.24	0.46

ENCLOSURE : No 24 C

[redacted] on physical input and output relationship [redacted] irrigated land and [redacted] the Malaprabha Left Bank Canal [redacted] 1971-72.

(Mysore State, India).

S.No.	Item	Irrigated cotton per acre	Rainfed cotton per acre.
	INPUT		
1.	Labour owned -		
	Human (man days)	52.41	8.13
	Bullocks (bullock days)	35.10	6.11
2.	Labour hired -		
	Human	43.70	4.04
	Bullocks	0.22	0.80
	Total human labour	96.11	8.91
	Total bullock labour	35.32	6.91
3.	Seeds (i) Main (kgs)	5.50	3.74
	(ii) Mixture (kgs)	2.75	0.08
4.	Manure (in tons)	3.96	0.81
5.	Fertilisers (kgs)	4.92	-
6.	Pest & disease control	-	-
	OUTPUT		
7.	Cotton (i) Main	289.50	45.17
	(ii) Mixture	41.73	0.54

ENCLOSURE: 24 D.

Statistics on physical input and output relationship according to irrigated and rainfed Wheat in the Ghataprabha Left Bank Canal area, 1961-62.

(MYSORE STATE: INDIA)

Sl. No.	Items	Irrigated Wheat per acre	Rainfed Wheat per acre
	INPUT		
1.	Labour owned -		
	Human (Man days)	35.18	7.44
	Bullocks (Bullock days)	22.87	6.12
2.	Labour hired -		
	Human	10.35	2.43
	Bullock	1.52	1.25
	Total human labour	45.53	9.87
	Total hired labour	24.39	7.37
3.	Seeds (i) Main (Kgs)	19.57	14.00
	(ii) Mixture (Kgs)	0.51	1.87
4.	Manure (Tons)	1.03	0.10
5.	Fertilizers (Kgs)	-	-
6.	Pest and disease control	-	-
	OUTPUT		
7.	Grain (i) Main	259.60	109.27
	(ii) Mixture	-	-
8.	Fodder	-	-

ENCLOSURE: 24 E

Cost of production of hybrid maize
(Per Acre)

S. No.	Items		Physical inputs
	INPUT		
1.	Labour -		
	Human (Man days)		36
	Bullocks (Bullock days)		16
2.	Seeds (Kgs)		6
3.	Manures (Tons)		5
4.	Fertilizers (Kgs)	N	40
		P	20
		K	20
5.	Disease and Pests Control (Kgs) dust.		13
	OUTPUT		
1.	Grains (Kgs)		1600
2.	Fodder (Tons)		2.5.

ENCLOSURE: 24 F

Cost of cultivation of Mexican Wheat

(Per Acre)

S.No.	Items		Physical input
	INPUT		
1.	Labour		
	Human (Man days)		33
	Bullocks (Bullock days)		15
2.	Seeds (Kgs)		40
3.	Manure (Tons)		5
4.	Fertilizers (Kgs)	N	40
		P	20
		K	20
5.	Disease and Pest control (Kgs) Dust.		15
	OUTPUT		
1.	Grains (Kgs)		1200
2.	Fodder (Tons)		0.5

ENCLOSURE: 24 G

Break up of total per Acre Cost of Production of Hybrid Jowar, Tungabhadra Project Area, 1968.

S.No.	Items of expenditure		Physical	Money Value Rs.
1.	Labour -			
	Human (Man days)		51.90	104.78
	Bullock (Days)		22.02	44.04
2.	Seed (Kgs)		5.80	27.45
3.	Farm Yard Manure (C.L.)		7.70	48.83
4.	Chemical Fertilizers (Kgs)	N	37.22	133.36
		P	15.90	
		K	9.15	
5.	Pesticides		-	16.37
6.	Land Revenue		-	10.92
7.	Rent and Rental Value		-	89.83
8.	Other charges		-	4.08
		Total Cost:		479.66
	Gross Receipt:			
	1. Grain (Kgs)		1,320	1,050.36
	2. Straw (C.L.)		3.7	83.36
			Total:	1,133.72
	Net Receipt: Gross Receipts			1,133.72
	Total Costs.			479.66
				654.06

Hs/5/

ENCLOSURE:24 H

Statistics on physical input and output & cost returr relationship according to irrigated, Hybrid Bajra per acre, Tungabhadra Project area, Raichur District, 1968.(Mysore State - India).
(No. of cases 32, Total area 132.50 acres)

Sl. No.	Item.	Physical	Money value Rs.
1.	Labour:-		
	Human (man days)	26.02	76.34
	Bullock (bullock days)	17.02	
2.	Seed (kgs)	1.49	10.80
3.	Farm Yard Manure (C.L.)	3.50	25.72
4.	Chemical Fertiliser (kgs)		
	a. Ammonium Sulphate.	45	23.31
	b. Urea	17	14.94
	c. Super phosphate.	52	35.02
	d. M.Potash.	39	21.77
5.	Pesticides & Fungicides.	-	-
6.	Land Revenue.	-	1.12
7.	Rent and rental value.	-	145.38
8.	Other charges (irrigation)	-	8.00
	Total:		362.40
	Gross Receipts.		
	a. Grain (kgs)	800	639.12
	b. Straw.	629	62.91
	Total:		702.03
	Net Gross returns - Total cost.		
	Grass	702.03	
Total Cost.		362.40	
	Net Return.	339.63	

BSC/5.

ENCLOSURE: 25

IRRIGATION WATER CHARGES

Existing		Proposed	
1. For sugarcane crop:-		1. Paddy	Rs.16 per acre
a) to be harvested within a period of twelve months.	Rs.30 per acre	2. Garden & light perennial	Rs.20 per acre
b) to be harvested after a period of twelve months but before a period of eighteen months.	Rs.45 per acre.	3. Kharif & Rabi	Rs. 8 per acre
2. For Paddy Crop.	Rs.16 per acre.		
3. For any crop of Jowar, maize, ragi, navane, sajje, pulses, greengram, wheat, cotton, groundnuts, vegetables, chillies, potatoes, sweet-potatoes, gingelly, onions, tobacco or corriander.	Rs. 8 per acre.		
4. For manurial crops, namely - Sunnhemp or Sesbania.	Rs. 4 per acre.		

Land assessment and other charges, Bijapur & Gulbarga Districts.

1. The land assessment in these talukas varies from Rs.0.75 to Rs.3.00 per acre for the area under dry cultivation.
2. For irrigated land with single crop, the assessment rates range from Rs.10:00 to Rs.12:00 per acre.
3. For area under irrigation with double cropping, the assessment varies from Rs.16:00 to Rs.18:00 per acre.

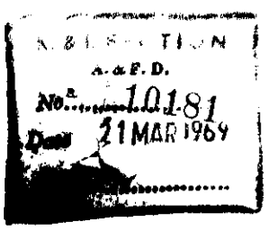
GOVERNMENT OF MYSORE

No.PLN/TAII/9-802/68-69
2 Sets

Office of the
Director of Agriculture in Mysore,
Bangalore, March 18, 1969.

To

The Secretary to Government of Mysore,
Public Works Department,
Vidhana Soudha,
Bangalore.



Sub : Upper-Krishna Project -
Visit of the World Bank Team from
26th to 29th January, 1969.

Ref : Government letter No.PWD 5 GUQ 65
dated 13th January, 1969.

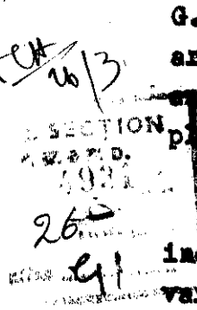
Sir,

PWD (Gl. (Irgn).
No 145 Date

With reference to the letter cited above, I am to state that the World Bank Team visited the Upper Krishna Project area from 26th to 29th January 1969 instead of from 26th to 28th as originally planned. The undersigned, the Principal, Gramsevaks Training Centre, Dharwar, the Chief Engineer, P.W.D. Irrigation (North) and other concerned officers accompanied the team.

Misnay Sent to PWD
25/3

The team consisted of six members. On their arrival at Belgaum, they divided themselves into two groups - one for studying agriculture aspects and other for engineering. The agricultural group was accompanied by the undersigned and the Principal, G.T.C. Dharwar throughout the tour in the project area. Common discussions were held at lunch times and during nights and the final discussion took place at Belgaum in the evening of 28th.



The team visited Government farms, farms of individual cultivators and demonstration units at various places and held discussions with the farmers wherever they went. During the course of discussions, the members raised a number of points and the important ones are furnished in the enclosed note along with the replies furnished.

.2

Among the points raised by the team, following ones are brought to the special attention of the Government:

(1) The team is of the opinion that the soil survey work of the command area should be immediately commenced and it should be completed well before the water is made available to the farmers for irrigation. It was explained to them that suitable proposals in this connection are being submitted to the Government so that the work could be taken up from April, 1969. Such proposals have already been furnished to the Chief Engineer, P.W.D. Irrigation (North) for needful action.

(2) The team expressed that an agricultural development centre should be established in the area as early as possible so that it could take up investigation on water requirement of various crops, crop rotation, development of suitable cropping patterns, evolving various improved agronomic practices suitable for various crops etc.

(3) A full pledged training centre should be established in the area so that it could take up training of personnel required for various extension and development programs in the area like staff for land survey, land development, agricultural extension programs etc. This training centre is also to be used for training of farmers and farm women on large scale in irrigation practices and raising of irrigated crops.

(4) The team was of the opinion that well trained extension staff should be provided in adequate numbers for development work as the present strength of staff is too meagre for taking up any development programmes.

...3

The replies to points 2 to 4 above where that suitable action would be taken immediately after funds are made available for these activities.

The team made a special mention of the good cooperation between the engineering and agricultural departments in conceiving this project and presenting a good report. It expressed that this is the only State in India which has presented a well conceived and integrated programme of both agriculture and engineering aspects.

A note on the various points raised by the team along with the replies given by us is enclosed herewith for information of Government.

Yours sincerely,

sd/-

Director of Agriculture

Encl: As above

Copy to the Secretary to Government, Agriculture and Forest Department, Vidhana Soudha, Bangalore for information.

Copy to the Chief Engineer, Public Works Department, Irrigation (North), Dharwar for information.

M. G. Sugaigar
Director of Agriculture
Bangalore

A NOTE ON THE VISIT OF THE WORLD BANK/IDA TEAM TO UPPER KRISHNA PROJECT AREA FROM 26TH TO 29TH JANUARY, 1969.

-oOo-

Visit of the Team:

1.1 On their arrival at Belgaum on 26th at 9.30 a.m., they were taken to Bagalkot. After lunch, the agricultural group visited four private farmers who have well irrigation and the Government Farm at the Gramsevaks Training Centre, Bagalkot. They held discussions with farmers and on all these farms and at the training Centre with the farmers and staff. The engineering group visited the Almatti Dam site.

1.2 On 27th morning, they visited the farm of the Cooperative Lift Irrigation Society, Korti where they saw crop demonstrations and held discussions with members of the Society. Their main points of discussion were: cropping pattern, crop rotations, water requirement of crops, cost of irrigation, cultivation practice, benefits of irrigation, value of land after and before irrigation etc. The team then visited the Almatti Dam site; had lunch at Narayanapur and proceeded to visit the command area in Shorapur, Shahapur, Jevargi and Sindgi taluks enroute Bijapur. On the way, they saw the topography of the area, nature of soils and held discussions with farmers at a number of farms which they visited. The engineering group visited Almatti and Narayanapur Dam sites and the main canal and distributory layouts. The team reached Bijapur and halted for the night.

1.3 On 28th, all the members of the team visited Golagumus and left for Belgaum through the G.L.B.C. area visiting a few irrigated farms and demonstrations round about Jamkhandi to see the border strip layout of land for irrigation. They held discussions with farmers and officers of the Agricultural Department.

1.4 The full team held the final discussions at Belgaum in the afternoon of 28th w

1.5 The members asked for certain records and technical information which was furnished during the course of discussions It was necessary to collect some additional information and send it on

...2

to them after they left. Copies of the information supplied to the team are enclosed to this note for information of Government.

1.6 The team left for Bombay on 29th morning.

2. During their visits to the command area and discussions at various places, the members of the team raised certain points. The important ones are listed below along with replies given thereon:

Points raised.	Clarifications given
1. Water duties taken at 120 acres per cusec for dry-cum-wet irrigation is on the higher side.	The duties assumed for T.B.P. area based on research conducted for that area is 150 acres. Based on the experience under various major project areas the duties for the Upper Krishna Project has been taken as 120 acres. This is subject to modification based on the research and field studies proposed to be undertaken in the project area.
2. Soil survey work of command area should be started immediately and completed before the water is made available to farmers for irrigation.	Proposals for sanction of soil survey scheme is under consideration and the survey work is likely to be started from April, 1969. The survey is expected to be completed within five years from now. Survey of the first stage of Upper Krishna Project will be done first and then second stage work should be taken up.
3. Suitable crop rotations, cropping pattern, water requirement of various crops and agronomic practices as suitable to the area should be evolved, so that these recommendations are available to the farmers when them start taking water for irrigation.	It has been already contemplated to establish Agricultural Development - Centre in the area which would take up work on these aspects and evolve suitable recommendations for giving to the farmers. Such Development Centre would be started soon.
4. Training of large number of personnal	Training Centre for training both officials and non-officials has ...3/-

4. contd.

required for land survey, land formation, extension and development work should be started early so that well trained men would be available to implement the various activities of the programme. This is necessary to be done simultaneously when the construction work is in progress. This Centre should be developed in such a way that large scale training of farmers and farm women could be trained for irrigation practices.

been contemplated and included in the Project Note. This will be a full pledged training Centre with all physical facilities, staff and equipments. This centre would also be started well in time.

5. The area close to the head works is mostly rocky for a few miles and use of water in this area for irrigation may not be very economic.

Though the area close to the Narayanapur Dam is rocky predominently, there are some patches which could be irrigated. However, if it is not going to be economic from the point of quantity of water used, such area could be eliminated.

6. Areas at road and stream crossings were pointed out as having developed alkalinity and land having gone waste. This kind of area is likely to increase when irrigation water becomes available.

It was been contemplated to provide suitable culverts and bridges at nalas and stream crossings so that water can flow freely. Also it has been provided to keep streams and nalas clear from shrubs and perineal grass weeds to provide better drainage. Provision has been made in the project for this purpose.

7. The project now provides for 144 per cent cropping intensity for both Kharif and Rubi together, whereas it is desirable that three crops are taken on every acre

the cropping intensity is not likely to be more than about 160 per cent for two reasons viz.(1) limited storage capacity in the lakes and (2) that it is desirable to spread benefits to a larger area to avoid

...4

7. contd. of land i.e. amounting to 300 per cent intensity, even though it will mean reduction of the command area to roughly half its present size.	famine conditions. It [illegible] planned to give water for a period of 8 months in a year. More intensity is likely to be there if the farmers tap the underground supplies of water by digging wells and using the underground water for the remaining four months. Raising of paddy is proposed to be limited to only water logged and low lying areas and cultivation of sugarcane will be restricted to areas close to the head works. Such of the farmers who would utilise the underground water by digging wells may grow sugarcane in other areas also.
8. Cropping pattern should not be fixed for all the time. It should be reviewed from time to time.	The Agriculture Development Centre would conduct research on cropping pattern and crop rotations continuously. The pattern recommend-ed in the beginning will be constantly reviewed and suitable modifications made periodically based on the research findings, experiences of the field staff, farmers' requirement and likings etc.
9. The staff provided in the project note for extension work as wll as development work do not appear to be adequate in view of the high intensity of work involved when water becomes available.	Adequate staff would be provided to meet the increasing demands of the farmers.

The team wanted information on various aspects including size of land holdings, credit facilities, storage facilities, wage rates, price variations for different inputs and outputs etc. and all this information has been furnished to them. A set of statements that were furnished to the team is enclosed.

...5

The team was generally convinced of the farmers' response and preparedness to receive water. It was also convinced of the benefits of irrigation to this famine prone area.

On going through the command area, the team was of the opinion that, barring the area close to the Narayanapur Dam which is rocky, the command area is ideally suited for irrigation provided adequate drainage precautions are taken right from the beginning.

At the concluding meeting at Belgaum, the leader of the mission remarked that prospects of irrigation in the Upper Krishna Project area are very bright and the farmers are very responsive for taking advantage of irrigation.

Belgaum :
Dated 5.1969.

M. A. Sundaraj
Director of Agriculture
in Mysore, Bangalore.

LIST OF ENCLOSURES

1. Distribution of land holdings
2. Scale of finances of production credit, Sindgi & Indi Taluks.
3. Scale of finance of production credit, Jevargi, Shahapur & Shorapur Taluks.
4. Production Credits.
5. Medium term credits.
6. Long term credits.
7. Purchase price of food grains by Government.
8. Market rate prices of main farm produces of Indi Taluk for 3 years - monthwise.
9. - do - - do - - do - Singdi Taluk.
10. - do - - do - - do - Jevargi Taluk
11. - do - - do - - do - Shahapur Taluk.
12. - do - - do - - do - Shorapur Taluk.
13. Selling prices of fertilisers.
14. Selling prices of seeds.
15. Labour wages for Indi Taluk for three years.
16. " " Sindgi " " "
17. " " Jevargi " " "
18. " " Shahapur." " "
19. " " Shorapur." " "
20. Processing capacities.
21. Storage capacities.
22. Fertiliser consumption and requirement.
23. Plant Protection chemicals-consumption & requirements.
24. A to H Farm budget sheets.
25. Water charges and Land assessment.

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ENCLOSURE:1

DISTRIBUTION OF LAND HOLDINGS ACCORDING TO SIZE OF OWNERSHIP, SHORAPUR TALUK, GULBARGA DIST., MYSORE STATE - I N D I A.

Size of holdings in acres.	No. of holdings	Percentage to total	Total area in acres	Percentage to total.
Less than 5	7,451	26.70	21,111	5.37
5 to 10	7,548	27.05	89,815	22.87
10 to 50	12,357	44.28	2,38,012	60.60
50 to 100	491	1.75	32,959	8.40
over 100	63	0.22	10,874	2.76
	27,910	100.00	3,92,771	100.00

Average size of holdings: 14.1 Acres.

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DISTRIVUTION OF LAND HOLDINGS ACCORDING TO SIZE OF OWNERSHIP, BIJAPUR DISTRICT: MYSORE STATE, INDIA

Size of holdings in acres.	Number of holdings.	Percentage to total	Total area in acres.	Percentage to total.
Less than 5	68,800	30.33	1,95,000	5.17
5 to 10	49,100	21,65	3,46,000	9.27
10 to 60	1,01,000	44,54	13,39,000	62.65
60 to 100	5,500	2.42	4,09,000	10.96
Over 100	2,400	1.06	4,00,000	11.95
	2,25,800	100.00	37,35,000	100.00

Average size of holdings: 12.9 acres.

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ENCLOSURE:2.

SCALE OF FINANCE FOR PRODUCTION CREDIT

Sindgi & Indi Taluks
(Per acre in rupees)

CROPS	1966-67								1967-68								1968-69.							
	Dry				Irrigated				Dry				Irrigated				Dry				Irrigated			
	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total
Traditional Varieties																								
Jowar.	-	-	-	35	-	-	-	50	35	30	15	80	100	80	40	220	35	30	15	80	80	100	40	220
Bajra.	-	-	-	20	-	-	-	-	20	70	35	125	-	-	-	-	30	30	15	75	-	-	-	-
Gr.Nut.	-	-	-	55	-	-	-	-	55	40	20	115	-	-	-	-	55	60	20	135	55	100	30	185
Wheat.	-	-	-	40	-	-	-	61	40	30	15	85	60	90	40	190	40	30	15	85	60	90	40	190
Cotton.	-	-	-	40	-	-	-	100	40	40	20	100	100	80	40	220	40	40	20	100	100	100	40	240
High Yielding Varieties																								
Hy.Jowar.	-	-	-	-	-	-	-	-	-	-	-	-	75	175	50	300	-	-	-	-	80	200	40	320
Hy.Maize.	-	-	-	-	-	-	-	-	-	-	-	-	60	170	50	280	-	-	-	-	70	200	30	300
Hy.Bajra.	-	-	-	-	-	-	-	-	-	-	-	-	80	120	20	200	35	70	35	140	70	120	30	220
Mexican Wheat.	-	-	-	-	-	-	-	-	-	-	-	-	40	160	30	230	-	-	-	-	40	180	20	240
T.65Paddy.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

A = Cash
B = In kind fertilisers, chemicals etc.,
C = cash provided 'B' component is taken.

These scales are fixed in the annual field workers' conference at district level, where farmers, co-operators and officials are present.

Enclosure:3

SCALE OF FINANCE FOR PRODUCTION CREDIT
JEWARGI, SHAHAPUR & SHORAPUR TALUKS
Per acre in rupees.

Crops		1968-69.							
		Dry				Irrigated			
		A	B	C	Total	A	B	C	Total
Traditional Varieties:	Jowar.	35	30	15	80	50	100	50	200
	Bajra.	35	30	15	80	-	-	-	-
	Gr.Nut.	40	30	15	85	-	-	-	-
	Wheat.	40	30	15	85	-	-	-	-
	Cotton.	40	30	15	85	-	-	-	-
	Paddy.	-	-	-	-	50	100	50	200
High Yielding Varieties:	Hy.Jowar.	-	-	-	-	129	175	-	304
	Hy.Maize.	-	-	-	-	115	172	-	287
	Hy.Bajra.	-	-	-	-	111	97	-	208
	M.Wheat.	-	-	-	-	73	162	-	235
	T.65 Paddy.	-	-	-	-	93	162	-	255

Enclosure:4

PRODUCTION CREDITS

Krishna
Stage- I, Upper Project Area, Mysore, India.

Items.	1965-66	1966-67	1967-68	Projects	Remarks.
	(Credit advanced rupees in lakhs by Cooperative)				
India.	22.33	22.07	29.11		These loans are issued for raising crops. Each farmers can get loan upto Rs.2,000/- In special cases it could be raised.
Sindgi.	18.30	12.95	6.18		
Jevargi.	3.71	5.63	5.85		
Shapur.	3.21	2.33	2.60		
Shahapur	4.09	3.94	5.18		
Total	46.64	46.82	48.92		
Credits by money lenders. (Approx)	40.00	40.40	44.00		
Govt.Loans (Taccavi) Approximately.	3.00	3.00	3.00		
Grand Total	89.64	89.22	95.92		Rs. 1,500 Lakhs.

Rate of intrest - Crops 5.7%
Private. 12% to 24%

Number of borrowers
29,380 29,700 21,972

Enclosure: 5.

MEDIUM TERM LOANS

Stage - I, Uper Krishna Project, Mysore State, INDIA.
(Credits advanced rupees in lakhs by coops:s)

Items	1965-66	1966-67	1967-68	Projected	Remarks.
Indi	0.99	0.31	0.84		This loan is advanced
Sindgi.	0.36	0.50	-		for purchase of cattle
Devargi.	Not advanced		-		and farm implements.
Shahapur.	Not advanced		-		Loan could be issued upto
Shorapur.	Not advanced		-		Rs.5,000 for each farmer. In
					special cases it could be more
Total:	0.99	0.81	0.84	-	
No. of Farmers benefited:	224	82	71		

Rate of interest: - 9.37%

Enclosure: 6

LONG TERM CREDITS

State - I, Upper Krishna Project area, Mysore State INDIA.
(Credits in lakh rupees by Co-ops.)

Items.	1965-66	1966-67	1967-68	Projected.	Remarks
Indi.	0.39	0.87	1.39		These loans are issued for well sinking, land development, debt redemption, purchase of pump sets, tractors etc., Liminitation is upto Rs.15,000 In case of tractors it is upto Rs.30,000/-
Sindgi.	0.51	2.11	4.05		
Jevargi.	0.29	0.87	1.49		
Shahapur.	1.87	1.41	2.84		
Shorapur.	0.87	1.98	1.91		
Total.	3.93	7.24	11.48	2000 Lakhs.	
No. of beneficiaries.	220	283	353		

Rate of interest : 6%

BRL/6.

ENCLOSURE: 7

PURCHASE PRICE OF FOOD GRAINS PROCURED BY GOVERNMENT during the year 1965-66 to 1968-69 Mysore State, India.

Year	Kharif Jowar	Rabbi Jowar	Paddy	Bajra	Wheat	Remarks.
1965-66	50:00	52:00	43:00	-	Red 55:00	
Bonus	5:00	5:00	5:00		White 60:00	
1966-67	54:00	54:00 Fine	52:00	54:00	-	
		Mid-Fine	49:00			
		Medi.	46:00			
		Course	45:00			
1967-68	52:00	54:00 Fine	52:00	54:00	-	
		Midfine	49:00			
		Medi.	46:00			
		Course	45:00			
1968-69	52:00	54:00 Fine	55:00	54:00	-	
		Midfine	52:00			
		Medi.	49:00			
		course	48:00			

DJV/6.

ENCLOSURE:8

Statement showing the market [illegible] prices of commodities per quintal for [illegible] years 1966, 1967 and 1968 in Indi Taluk, [illegible] District Mysore State, India.

Crop	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
						1966						
Jowar-Rabi-	-	85	-	-	-	75	-	80	[illegible]	68	66	68
Kharif	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Wheat	108	120	110	-	-	117	-	120	[illegible]	120	134	120
Bajra	-	-	-	-	-	-	-	60	[illegible]	55	50	-
Cotton-Jay	114	114	119	118	125	125	123	125	[illegible]	-	-	-
GNP-Pods	115	110	140	140	150	145	140	150	[illegible]	140	130	140
Maize	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Gram	110	120	125	114	120	120	122	140	[illegible]	130	135	-
Tur	75	75	75	72	75	75	75	80	[illegible]	72	78	75
Mung	-	-	-	-	-	-	95	90	[illegible]	105	110	100
						1967						
Jowar Rabi	68	68	65	-	-	-	-	-	[illegible]	-	-	-
Kharif	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Wheat	130	125	125	125	125	130	-	-	[illegible]	-	-	155
Bajra	-	45	82	-	-	-	54	-	[illegible]	-	-	-
Cotton-Jay	-	114	137	148	126	126	129	124	[illegible]	-	-	-
G.N. Pods	170	170	165	160	160	165	130	-	[illegible]	110	115	118
Maize	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Gram	150	135	125	135	150	155	-	-	[illegible]	190	200	-
Tur	95	83	82	95	104	105	-	-	[illegible]	-	-	-
Mung	85	-	90	-	110	160	145	120	[illegible]	-	-	-
						1968						
Jowar Rabi	-	-	-	-	-	-	-	-	[illegible]	82	-	-
Kharif	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Wheat	-	-	-	-	-	155	-	-	[illegible]	-	-	-
Bajra	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Cotton-jay	130	135	135	130	140	140	-	-	[illegible]	-	-	-
G.N. Pods	105	90	-	95	95	100	-	-	[illegible]	80	95	100
Maize	-	-	-	-	-	-	-	-	[illegible]	-	-	-
Gram	-	150	142	-	-	165	-	-	[illegible]	-	-	-
Tur	-	-	95	95	85	90	-	-	[illegible]	-	-	-
Mung	-	-	-	-	-	-	-	-	[illegible]	-	-	-

ENCLOSURE: 9

Statement showing the market rate prices of commodities per quintal for the years 1966, 1967 and 1968 in Sindgi Taluk, Bijapur District Mysore State, India.

Crop	Jan	Feb.	March	April	May	June	July	Aug.	Sept	Oct.,	Nov.	Dec.
						1966						
Jowar-Harif	-	-	-	-	-	-	-	-	-	-	-	-
Rabi.	52	52	52	52	52	72	80	78	57	60	62	64
Wheat	-	115	125	125	110	-	125	125	120	115	105	110
Bajra	65	55	60	-	65	75	75	70	55	50	50	50
Cotton Jaydhar	115	115	120	118	128	128	128	128	-	-	-	-
GNP Pods	120	125	130	135	150	165	160	185	-	125	125	145
Maiz	-	-	-	-	-	-	-	-	-	-	-	-
Gram	-	-	110	112	-	-	-	-	-	-	-	-
Tur	75	75	75	74	-	-	75	72	-	-	75	70
Mug.	-	-	-	-	-	-	98	90	95	91	-	105
						1967						
Jowar-Kharif	-	-	-	-	-	-	-	-	-	-	-	-
Rabi	63	65	-	-	65	65	85	80	-	-	-	-
Wheat	110	120	115	-	-	-	135	-	-	-	-	-
Bajra	52	51	-	55	-	54	60	-	-	-	-	-
Cotton Jay	115	140	150	125	125	130	135	-	-	-	62	-
GNP Pods	165	175	170	175	160	155	155	110	-	80	115	115
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Gram	-	135	-	120	120	-	165	155	-	-	-	175
Tur	75	82	82	88	90	106	105	110	-	-	-	-
Mung	105	-	-	-	-	-	-	-	-	140	-	135
						1968						
Jowar-Kharif	-	-	-	-	-	-	-	-	-	-	-	-
Rabi	-	60	58	-	-	-	74	75	-	-	-	74
Wheat	160	-	-	-	-	-	-	-	-	-	-	-
Bajra	-	60	-	-	-	-	-	-	-	-	-	-
Cotton-Jay	130	135	115	108	128	125	-	65	-	-	-	52
G.N.Pods	110	75	90	-	-	95	90	102	130	110	115	115
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Gram	145	-	-	-	-	-	-	-	-	-	-	-
Tur	-	-	-	-	-	-	-	76	100	101	-	85
Mung	-	-	-	-	-	-	-	105	115			

ENCLOSURE: 10

Statement showing the market gate prices of Agricultural commodities per quintal for the years 1966, 1967 and 1968 in Jewargi Taluk, Gulbarga District, Mysore State, India.

Crop	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec.
						1966						
Jowar-Kharif	74	66	-	72	70	75	76	75	74	66	64	63
-Rabi	76	74	74	-	-	-	-	-	-	-	-	-
Wheat	128	128	140	130	135	126	130	126	125	128	115	115
Bajra	73	72	74	78	88	96	84	73	60	57	54	53
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
G.N. Pods	117	121	133	137	161	154	168	178	101	110	122	145
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Gram	139	135	128	128	126	130	132	148	155	152	172	175
Tur	80	78	78	82	80	83	84	88	84	84	82	82
Mung	85	89	91	90	98	100	98	95	95	112	113	115
						1967						
Jowar-Kharif	60	-	-	-	-	66	-	-	-	-	-	-
-Rabi	63	65	62	66	66	72	74	85	85	82	85	86
Wheat	141	137	125	115	137	151	140	175	150	175	165	165
Bajra	62	68	53	59	63	60	68	74	75	70	64	65
Cotton-Lax	-	-	-	-	-	-	-	-	-	-	-	-
Jow	-	-	-	-	-	-	-	-	-	-	-	-
G.Nut.Pods	165	157	157	156	164	152	148	115	123	105	105	100
Gram	152	145	139	134	140	165	168	215	205	225	224	165
Tur	105	94	102	110	110	108	112	112	168	108	140	145
Mung	113	121	133	139	157	190	178	148	140	144	134	118
						1968						
Jowar-Kharif	-	71	-	-	-	-	-	-	-	-	-	64
-Rabi	84	66	68	71	72	75	78	80	94	84	80	84
Wheat	175	135	150	145	140	135	132	145	156	140	147	170
Bajra	68	69	66	73	74	70	72	75	75	62	54	59
Cotton-Lax	-	-	-	-	-	-	-	-	-	-	-	-
Jow	-	-	-	-	-	-	-	-	-	-	-	-
G.Nut Pod	102	88	93	96	97	88	92	119	138	135	116	108
Gram	190	140	145	108	90	84	88	95	98	87	80	65
Tur	150	134	130	115	112	110	108	116	125	115	100	80
Mung	118	114	119	118	110	108	112	120	128	106	100	76

DJV/5.

ENCLOSURE: 11

Statement showing the market gate prices of commodities per quintal for the years 1966, 1967 and 1968 in Shahapur taluka, Gulbarga District, Mysore State, India.

Crop.	Jan	Feb	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						1966						
Jowar-Kharif	76	73	70	68	70	73	73	72	73	70	63	63
-Rabi	-	67	-	-	-	-	-	-	-	-	-	-
Wheat.	129	132	150	145	130	123	130	125	128	131	131	125
Bajra.	69	64	-	75	80	-	77	-	61	55	50	51
Cotton.	-	150L120J	-	135	137	-	-	-	-	-	-	-
G.N.Pods	123	126	128	139	151	155	167	180	160	125	130	139
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Gram.	-	114	114	125	125	126	126	125	145	148	150	-
Tur	72	78	72	75	74	72	73	68	75	75	70	66
Mung	86	-	-	-	-	-	90	90	90	100	100	120
						1967						
Jowar-Kharif	55	-	58	55	55	57	-	63	60	63	68	66
-Rabi	62	63	67	68	65	65	68	70	76	78	79	78
Wheat	128	130	135	134	132	140	138	145	143	-	158	160
Bajra	51	50	-	-	-	-	58	62	60	60	63	61
Cotton-Lax.	-	-	-	-	184	180	178	180	145	145	-	-
Jow.	-	-	-	-	-	150	138	-	-	-	-	-
G.N.Pods	163	170	162	160	158	150	140	140	115	110	110	110
Grams	-	136	-	-	-	150	-	135	-	-	-	-
Tur.	78	85	88	96	104	116	104	114	107	107	-	131
Mung.	-	-	121	-	-	-	-	135	125	125	-	-
						1968						
Jowar-Kharif	65	65	54	60	-	-	-	-	-	-	58	60
-Rabi	75	68	64	69	-	-	-	74	-	82	75	77
Wheat	165	136	146	136	135	-	-	135	-	135	150	135
Bajra	60	60	58	62	-	-	-	-	-	67	55	52
Cotton-Lax.	-	165	132	142	150	-	-	-	-	-	-	-
-Jow	135	-	-	-	-	-	-	-	-	-	-	-
G.N.Pod	96	93	91	94	92	-	-	94	-	113	107	111
Gram	-	-	142	-	82	-	-	-	-	81	-	-
Tur.	125	116	108	96	95	-	-	-	-	147	-	-

ENCLOSURE 12

Statement showing the market gate prices of commodities per quintal for the years 1966,1967, and 1968 in Shorapur taluka, Gulbarga District, Mysore State, India.

Crop.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						1966						
Jowar-Kharif	80	66	74	74	72	72	[illegible]	74	75	76	67	65
-Rabi.	87	71	78	-	-	-	-	-	-	-	-	-
Wheat.	106	106	146	-	142	-	[illegible]	-	125	128	130	125
Bajra.	71	65	65	-	76	80	[illegible]	-	-	57	52	52
Cotton.	-	142L	160L136J	147L	146L	-	[illegible]	-	-	-	-	-
Mixed G.N.Pods	124	121	136	142	150	155	[illegible]	177	140	119	123	142
Maize	-	-	-	-	-	-	[illegible]	-	-	-	-	-
Gram	-	-	-	-	-	-	[illegible]	142	-	-	-	-
Tur.	-	-	-	-	-	-	[illegible]	-	81	-	-	-
Mung.	-	-	-	-	-	-	[illegible]	-	104	93	-	-
						1967						
Jowar-Kharif.	-	-	-	-	-	-	[illegible]	-	-	-	-	-
-Rabi	55	63	69	68	68	67	[illegible]	77	80	87	80	81
Wheat	125	121	140	117	124	131	[illegible]	134	-	-	163	-
Bajra	57	57	-	53	51	-	[illegible]	-	-	73	64	60
Cotton-Lax	182	-	188	151	153	155	[illegible]	168	-	-	-	-
-Jow	-	-	169	-	134	-	[illegible]	-	-	-	-	-
G.N.Pods.	159	166	163	161	160	144	[illegible]	115	110	112	99	104
Gram.	-	-	-	-	-	-	[illegible]	-	-	-	-	-
Mung.Tur.	78	81	96	-	92	122	[illegible]	-	-	-	-	147
Mung.	-	-	-	-	-	-	[illegible]	111	-	-	112	-
						1968						
Jowar-Kharif.	68	67	60	-	62	67	[illegible]	-	-	71	59	60
-Rabi.	79	67	68	70	69	73	[illegible]	-	84	89	81	79
Wheat	160	129	135	144	-	-	[illegible]	140	140	153	155	140
Bajra	61	62	60	63	60	65	[illegible]	70	70	58	54	55
Cotton-Lax	-	150	156	124	150	160	[illegible]	155	150	-	116	-
-Jow	-	-	-	111	-	-	[illegible]	-	-	-	-	-
G.N.Pod	100	90	86	93	86	86	[illegible]	130	136	116	117	117
Gram	-	-	-	-	-	-	[illegible]	-	-	-	-	-
Tur	121	120	-	-	-	-	[illegible]	-	122	-	140	73
Mung	115	115	-	-	-	-	[illegible]	[illegible]	-	114	-	80

ENCLOSURE: 12

Selling Prices of Fertilisers in Shindgi and Indi Taluks of Bijapur District, Mysore State, India during the years 1966-67 and 1968.

	1966		1967		1968	
	Shindgi per ton	Indi per ton	Shindgi per ton	Indi per ton	Shindgi per ton	Indi per ton
Nitrogenous	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Ammonium Sulphate	405:00	405:00	492:00	492:00	502:00	502:00
2. Urea	680:00	680:00	840:00	840:00	860:00	860:00
Superphosphate	299:40	299:40	327:40 342:15	327:40 342:15	342:00 331:02	342:00 331:02
Muriate of Potash	314:00	314:00	405:00	405:00	300:00	300:00

N.B. The selling prices in Jevargi, Shahapur and Shorapur also are approximately the same an above.

DJV.3/.

ENCLOSURE: 14

Selling Prices of Seeds of Various crops
Mysore State, India.

The selling rates of seeds of various traditional varieties recommended is about 5% to 10% above the grains of those types [illegible] for consumption premiums of 5% to10% is for pure and good quality [illegible], for careful storage, handling etcs.

In case of hybrids, following are the selling prices to farmers:

Types	From 20-6-1966 to 27-10-1967	From 27-10-67 onwards.
Hybrid Jowar	Rs. 11.30 per kg	Rs. 7.00 per kg
Hybrid maize	Rs. 5.30 per kg	Rs. 3.50 per kg.
Hybrid Bajara	Rs. 10.30 per kg	Rs. 7.00 per kg.

djv/6.

ENCLOSURE: 15

Statement showing daily wage rates in rupees as they obtained in different months of the three years, 1966 1967 and 1968 in Indi Taluk of [redacted] District Mysore State, [redacted].

***

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						1966						
Men	1:50	1:50	1:50	1:50	1:50	1:50	1:50	1:[redacted]	1:50	1:50	1:50	1:50
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:[redacted]	1:00	1:00	1:00	1:00
Children	0:50	0:50	0:50	0:50	0:50	0:50	0:50	0:[redacted]	0:50	0:50	0:50	0:50
						1967						
Men	1:50	1:75	1:75	1:75	1:75	2:00	2:00	2:00	2:00	2:00	2:00	2:00
Women	1:00	1:25	1:25	1:25	1:25	1:50	1:50	1:50	1:50	1:50	1:50	1:50
Children	0:50	0:62	0:62	0:62	0:62	0:75	0:75	0:75	0:75	0:75	0:75	0:75
						1968						
Men	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00
Women	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:00	1:00
Children	0:62	0:62	0:62	0:62	0:62	0:62	0:62	0:62	0:62	0:62	0:62	0:62

DJV/6.

ENCLOSURE: 16

Statement showing daily wage rates in Rupees as they obtained in different months of the three years, 1966 1967 and 1968 in Sindgi Taluka of Bijapur District, Mysore State, India.

...

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						1966						
Men	2:00	2:00	2:00	2:00	1:50	1:75	1:75	1:75	1:75	1:75	1:75	1:75
Women	1:00	1:00	1:00	1:00	1:75	1:75	1:75	1:75	1:75	1:75	1:75	1:75
Children	0:75	0:75	0:75	0:75	0:50	0:50	0:50	0:50	0:50	0:50	0:50	0:50
						1967						
Men	1:75	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00
Women	0:75	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00
Children	0:50	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75
						1968						
Men	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75

DJV/6.

ENCLOSURE: 17

Statement showing daily wage rates in rupees as they obtained in different months of the three years, 1966 1967 and 1968 in Jewargi Taluk of Gulbarga District, Mysore State, India.

...

	Jan	Feb.	March.	April.	May	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.
						1966						
Men	2:00	2:00	2:00	2:00	1:50	2:00	2:00	2:00	[illegible]	2:00	2:00	2:00
Women	1:00	1:00	1:00	1:00	1:00	0:75	1:00	1:00	[illegible]	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	[illegible]	0:75	0:75	0:75
						1967						
Men	2:00	2:00	2:00	2:00	1:75 2:00	2:00	2:00	2:00	[illegible]	2:00	2:00	2:00
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	[illegible]	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	[illegible]	0:75	0:75	0:75
						1968						
Men	2:00	2:00	2:00	2:00	1:75	2:00	2:00	2:00	[illegible]	2:00	2:00	2:00
Women	1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00	[illegible]	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:75	0:75	0:75	0:75	0:75	[illegible]	0:75	0:75	0:75

DJV.6/

ENCLOSURE: 18

Statement showing daily wage rates in rupees as they obtained in different months of the three years 1966, 1967 and 1968 in Shahapur Taluka of Gulbarga District, Mysore State, India.

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
						1966						
Men	2:00	2:00	2:00	2:00	2:00	2:00	2:00	1:50	1:50	1:50	1:50	2:00
Women	1:50	1:50	1:50	1:50	1:50	1:50	1:50	0:75	0:75	0:75	0:75	1:50
Children	1:00	1:00	1:00	1:00	1:00	1:00	1:00	0:50	0:50	0:50	0:50	1:00
						1967						
Men.	2:00	2:00	2:00	2:00	2:00	1:50	1:50	1:50	1:50	1:50	1:50	2:00
Women	1:50	1:50	1:50	1:50	1:50	0:75	0:75	0:75	0:75	0:75	0:75	1:50
Children	1:00	1:00	1:00	1:00	1:00	0:50	0:50	0:50	0:50	0:50	0:50	1:00
						1968						
Men	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	2:00	1:50	2:00
Women	1:50	1:50	1:50	1:50	1:50	1:50	1:50	1:00	1:00	1:00	0:75	1:50
Children	1:00	1:00	1:00	1:00	1:00	1:00	1:00	0:50	0:50	0:50	0:50	1:00

Enclosure: 19

STATEMENT SHOWING DAILY WAGE RATES IN RUPEES AS THEY OBTAINED IN DIFFERENT MONTHS OF THE THREE YEARS. [illegible]67 & 1968 IN SHORAPUR TALUK OF GULBARGA [illegible]T, MYSORE STATE, INDIA.

	Jan.	Feb.	March.	April.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						1966						
Men	2:00	2:00	2:00	1:50	1:50	1:50	1:75	[illegible]	1:75	2:00	2:00	2:00
Women	1:00	1:00	1:00	0:75	0:75	0:75	1:00	[illegible]	1:00	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:750	0:50	0:50	0:62	[illegible]	0:[illegible]62	0:75	0:75	0:75
						1967						
Men	2:00	2:00	2:00	1:75	1:75	1:75	1:75	[illegible]	1:75	2:00	2:00	2:00
Women	1:12	1:12	1:12	0:75	0:75	0:75	1:00	[illegible]	1:00	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:50	0:50	0:50	0:50	[illegible]	0:50	0:75	0:75	0:75
						1968						
Men	2:00	2:00	2:00	1:50	1:50	1:50	1:50	[illegible]	1:75	2:00	2:00	2:00
Women	1:00	1:00	1:00	0:75	0:75	0:75	0:75	[illegible]	1:00	1:00	1:00	1:00
Children	0:75	0:75	0:75	0:50	0:50	0:50	0:50	[illegible]	0:50	0:75	0:75	0:75

Enclosure 20

PRESENT PROCESSING CAPACITIES AND PROJECT REQUIREMENTS.

1st Stage, Upper Krishna Project, Mysore State, India.

Sl.No.	Processing Units	Existing		Project Requirements.	
		Number	Total Capacity	Number	Total Capacity
1	Cotton gins.	41	114 Units 70[illegible] Quintals Cotton	1250	7,50,000 Quintals seed cotton.
2.	Cotton Pressing.	-	-	10	2,10,000 Quintals lint.
3.	Cotton Spinning & Weaving Mills.	-	-	1	
4.	Oil Extraction Mills.	17	60,000 Quintals	100	10,00,000 Quintals.
5.	Rice Mills.	-	-	5	3,00,000 "
6.	Fruit & Vegetable canning.	-	-	5	2,50,000 "
7.	Dairy Plants.	-	-	5	50,000 Litres daily.
8.	Food Mixing Plants.	-	-	5	20,000 Quintals monthly.
9.	Cold Storage.	-	-	5	5, tonnes each.
10.	Fertilizer Mixing Factories.	-	-	10	60,000 tonnes.

Enclosure 21

STATEMENT SHOWING THE STORAGE CAPACITIES IN DIFFERENT TALUKS OF STAGE-1, UPPER KRISHNA PROJECT, MYSORE STATE, INDIA.

(Metric Tonnes)

Sl.No.	Taluks	Taluk places storage				village Coopn.	Total	Project Requirements.
		Taluk Agri. Produce Marketing Societies	Govt.	Ware Housing Corporation.	Private Merchants			
1.	Indi	600	5,700	1,500	[illegible]	2,050	10,750	Additional facilities for storage of 8-10 lakh tons has to be made at Village and taluk levels.
2.	Sindgi	4,100	-	-	1,[illegible]	1,000	6,700	
3.	Jevargi.	600	-	-	-	-	600	
4.	Shahapur.	450	600	-	2,[illegible]	500	3,850	
5.	Shorapur.	300	500	-	2,[illegible]	-	2,800	
	Total:	6,050	6,800	1,500	6,[illegible]	3,550	24,700	

pgt/5.

ENCLOSURE: 22

Present consumption and requirements of fertilizers
for the area commanded by Stage-1, Upper [redacted] Project,
Mysore State, India.
(Metric Tonnes).

S.No.	Taluks	Present Consumption			Present Requirements			Project requirements.		
		N	P	K	N	P	K	N	P	K
1.	Indi	360	150	75	780	600	[redacted]	3400	1800	1800
2.	Sindgi	340	150	75	1300	1060	[redacted]	6400	4100	3200
3.	Jevargi	60	15	8	1476	1414	[redacted]	7860	8139	1785
4.	Shahapur	36	10	2	764	856	[redacted]	7038	7719	1420
5.	Shorapur	12	6	0	1334	1002	[redacted]	7038	7719	1420
	Total:	808	331	160	5654	4932	[redacted]	31736	29477	9625

ENCLOSURE: 23

Present Consumption and requirements of Plant Protection Chemicals for the area commanded by Stage-1, Upper Krishna Project Mysore State, India.

S.No.	Taluks	Dusts in tonns			Li
		Present consumption	Present requirements.	Project requirement.	Present consumption
1.	Indi	30	600	700	650
2.	Sindgi	34	1500	1600	428
3.	Jevargi	13	1700	1800	96
4.	Shahapur	2	1550	1700	130
5.	Shorapur	1	1800	1700	-
	Total:	80	7,150	7,500	1,304

Selling price of liquids Rs.29.48 per litre.

Selling price of dust Rs.988.62 per ton.

ENCLOSURE: 24 A

Statistics of physical input and output relationship according to irrigated and rainfed jowar (Traditional variety) in Ghataprabha Left Bank Canal area, 1961-62. (Mysore State, India).

S.No.	Items	Irrigated jowar per acre.	Rainfed jowar per acre.
	INPUT		
1.	Labour owned -		
	Human (man days)	33.06	6.44
	Bullocks (Bullock days)	18.13	6.51
2.	Labour hired -		
	human	14.05	4.23
	Bullocks	8.77	1.16
	Total human labour	47.11	10.67
	Total bullock labour	20.90	7.67
3.	Seeds (i) Main (kgs)	3.67	2.04
	(ii) Mixture	0.70	1.60
4.	Manures (Tons)	2.87	0.25
5.	Fertilisers (Kg)	1.20	0.00
6.	Disease & pest control	-	-
	OUT PUT		
7.	Grain (i) Main (Kg)	207.56	143.18
	(ii) Mixture (kg)	19.20	3.00
8.	Fodder (tons)	2.00	1.50

ENCLOSURES: 24 B

Statistics on physical input and output relationship according to irrigated and rainfed Ground-nut in Ghataprabha Left Bank Canal Area, 1961-62.

(Mysore State, India).

S.No.	Items	Irrigated groundnut per acre	Rainfed groundnut per acre.
	INPUT		
1.	Labour owned -		
	Human (man days)	28.75	7.94
	Bullock (bullock days)	9.94	7.32
2.	Labour hired -		
	Human	8.78	11.52
	Bullocks	3.70	1.20
	Total Human labour	37.53	19.46
	Total bullock labour	13.64	8.52
3.	Seeds (i) Main (kgs)	27.03	17.26
	(ii) Mixture (kgs)	0.12	-
4.	Manure(tons)	0.06	0.55
5.	Fertilisers	-	-
6.	Diseases & pest control	-	-
	OUTPUT		
7.	Grains (i) Main (kgs)	253.82	138.36
	(ii) Mixture(kgs)	-	-
8.	Fodder (tons)	4.24	0.46

ENCLOSURE : No 24 G

Statistics on physical input and output relationship according to irrigated and and rainfed cotton in the Ghataprabha Left Bank Canal Area, 1961-62.

(Mysore State, India).

S.No.	Item	Irrigated cotton per acre	Rainfed cotton per acre.
	INPUT		
1.	Labour owned -		
	Human (man days)	[illegible]	8.13
	Bullocks (bullock days)	35.10	6.11
2.	Labour hired -		
	Human	43.70	4.04
	Bullocks	0.22	0.80
	Total human labour	96.11	8.91
	Total bullock labour	35.32	6.91
3.	Seeds (i) Main (kgs)	5.50	3.74
	(ii) Mixture (kgs)	2.75	0.08
4.	Manure (in tons)	3.96	0.81
5.	Fertilisers (kgs)	4.92	-
6.	Pest & disease control	-	-
	OUTPUT		
7.	Cotton (i) Main	289.50	45.17
	(ii) Mixture	41.75	0.11

ENCLOSURE: 24 D.

Statistics on physical input and output relationship according to irrigated and rainfed Wheat in the Ghataprabha Left Bank Canal area, 1961-62.

(MYSORE STATE: INDIA)

Sl. No.	Items	Irrigated Wheat per acre	Rainfed Wheat per acre
	INPUT		
1.	Labour owned -		
	Human (Man days)	35.18	7.44
	Bullocks (Bullock days)	22.87	6.12
2.	Labour hired -		
	Human	10.35	2.43
	Bullock	1.52	1.25
	Total human labour	45.53	9.87
	Total hired labour	24.39	7.37
3.	Seeds (i) Main (Kgs)	19.57	14.00
	(ii) Mixture (Kgs)	0.51	1.87
4.	Manure (Tons)	1.03	0.10
5.	Fertilisers (Kgs)	-	-
6.	Pest and disease control	-	-
	OUTPUT		
7.	Grain (i) Main	259.60	109.27
	(ii) Mixture	-	-
8.	Fodder	-	-

ENCLOSURE: 24 E

Cost of production of hybrid maize
(Per Acre)

S. No.	Items		Physical inputs
	INPUT		
1.	Labour		
	Human (Man days)		36
	Bullocks (Bullock days)		16
2.	Seeds (Kgs)		6
3.	Manures (Tons)		5
4.	Fertilizers (Kgs)	N	40
		P	20
		K	20
5.	Disease and Pests Control (Kgs)	dust.	13
	OUTPUT		
1.	Grains (Kgs)		1600
2.	Fodder (Tons)		2.5.

ENCLOSURE: 24 F

Cost of cultivation of Mexican Wheat

(Per Acre)

S.No.	Items		Physical input
	INPUT		
1.	Labour		
	Human (Man days)		33
	Bullocks (Bullock days)		15
2.	Seeds (Kgs)		40
3.	Manure (Tons)		5
4.	Fertilizers (Kgs)	N	40
		P	20
		K	20
5.	Disease and Pest control (Kgs) Dust.		15
	OUTPUT		
1.	Grains (Kgs)		1200
2.	Fodder (Tons)		0.5

Ha/5/

ENCLOSURE: 24 G

Result on cost of typical farm Area Cost of [illegible] of Kyaiki Taung, Tongo- [illegible] Project Area. 1968.

S.No.	Items of expenditure		Physical	Money Value Rs.
1.	Labour -			
	Human (Man days)		51.90	104.78
	Bullock (Days)		22.02	44.04
2.	Seed (Kgs)		5.80	27.45
3.	Farm Yard Manure (C.L.)		7.70	48.83
4.	Chemical Fertilisers (Kgs)	N	37.22	133.36
		P	15.90	
		K	9.15	
5.	Pesticides		-	16.37
6.	Land Revenue		-	10.92
7.	Rent and Rental Value		-	89.85
8.	Other charges		-	4.08
		Total Cost:		479.66
	Gross Receipt:			
	1. Grain (Kgs)		1,320	1,050.36
	2. Straw (C.L.)		307	83.36
			Total:	1,133.72
	Net Receipt: Gross Receipts		[illegible]	1,133.72
	Total Costs.			654.06

Hs/5/

CLOSURE:84 H

[redacted] input and output & cost returns [redacted] cultivation in Irrigated, Hybrid Rajo, [redacted] Project area, Raichur District, [redacted] Kharif 1975-76 (Sl.No.).
(No. of farms 32, Total area 128.80 acres)

Sl. No.	Item.	Physical	Money value Rs.
1.	Labour:-		
	Human (man days)	26.02	76.24
	Bullock (bullock days)	17.02	
2.	Seed (kgs)	1.49	10.80
3.	Farm Yard Manure (C.L.)	2.50	35.72
4.	Chemical Fertiliser (kgs)		
	a. Ammonium Sulphate.	46	23.21
	b. Urea	17	14.94
	c. Super phosphate.	52	36.08
	d. M.Potash.	39	21.77
5.	Pesticides & Fungicides.	-	-
6.	Land Revenue.	-	1.12
7.	Rent and rental value.	-	165.39
8.	Water charges (Irrigation)	-	9.00
	Total:		383.40

Gross Receipts		
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
Total:	[redacted]	[redacted]

Net Gross returns - Total cost.

Gross	702.02
Total Cost.	383.40
Net Returns.	320.62

RSU/S.

Note Continuation Sheet

Subject: Financial Assistance to Upper Krishna Project.

File No. P.W.D. 5 Gn 64 K 15

WD 014899—GP B—8,00,000—5-12-64

Reference and markings	Notes and Orders	Para Number
	The D/s PWD (Irrgn) was pleased to instruct as follows:-	1
	In order to step up Food Production in the country the G.O.I. is likely to finance entirely for the construction of Upper Krishna Project. It appears the matter was discussed recently at Delhi with the Union Minister for Irrgn. & Power who was pleased to consider the matter of financing.	2
	To enable to approach the G.O.I. the following particulars may have to be obtained from the C/E (I/P)	3
	1. A detailed note on the project.	
	2. Financial aspects of the Project	
	3. Area to be benifited by the project	
	4. The yearwise amount required to achieve tangible results within certain period say 5 to six years.	
	5. The probable increase in food production in the shortest period	
	6. The percentage of increase in food production.	
	The D/s desired to get	4.

Skipping space

Note Continuation Sheet

Subject..... File No.....

Reference and markings	Notes and Orders	Para Numbers

these particulars from the C/E (I/P) by a D.O. letter.

A draft D.O. letter as per instructions is to be put up for appl.

19/1

Mr KSS please put up the draft letter as above immediately.

K Rao
19.1.65.

A draft D.O. submitted for consideration.

19.1.65.

A typed draft D.O. addressed to CE(I.P) (8 is placed at Pages 3 & C/F which may please be perused and approved

(Secy P.W.D)

19/1/65
M. CHANNIAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

19/1

ISSUED
Dated 20-1-65

SECRETARIAT TO GOVERNMENT
PUBLIC WORKS DEPARTMENT
PWS/420
1965

Stitching size

PWDS GUK65.

D.O.No 467/P dt 22-1-65 from PC E(UP)
B'lao - Regd: Financial Assistance to U.K.P.

PWD267/59/65

10) C E (UP) Mahi Trial details to be worked out on the decision of the M.Y.P.C. Bd. when last attended. He requested to know whether Rs 8.2 Crores is acceptable to Govt.

11) He furnished Mahi Trial, if his views are acceptable, the modification in the proposals is already contained in the Project Report

12. He requested the views of the Govt.

In connection with the revision of the U.K. Project the Chief Engineer (UP) has been asked vide No 11 UKK63 (Addl. subsidies separated) to revise the project to limit the expenditure as cleared by the Irrigation Commission. But the proposal dealt with in these papers relates to financing of the project by Govt. However the Chief Engineer may be requested to communicate being issued in this No 11 UKK63 and he may be asked to send a note as called for in DO on page 4 c/r

3.2.65

PWD 5 GUK 65.

Central Financial Assistance for Upper Krishna Project.

(14.

The letter of the C.E. dated 22-1-65 placed at page 5 of the c/f in reply to D.O. letter No.PWD 5 GUK 65 dated 20-1-65 at page 4 of the c/f may be perused. The C.E. has requested whether Govt. would accept the project of 58.2 crores as cleared by the Planning Commission for working up the details asked for in the D.O. letter.

(15.

In view of the subsequent changes as decided by the Cabinet and also the instructions of the Union Minister for Irrigation - after spot inspection, it may not be possible for the Govt. to say that ~~the view that~~ the project of 58.2 crores would be acceptable. As the information called for is of a general nature, there need not be any such commitment on the part of the Govt. but the C.E. IP could generally furnish the information as this is required to address Govt. of India for financial assistance as it would not serve any technical decisions. Hence C.E. IP may perhaps be again informed without discussing technical aspect of the project generally a note stressing the importance of the project benefits that can be accrued and also yearwise possible benefits that can be derived if certain funds are given as assistance from Govt. of India may be prepared and forwarded to Govt. for addressing Govt. of India for financial assistance.

Secy. PWD.

6/2/65

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

IO WORKS & ELEC

Min & W. had some time ago desired that when we should make out a strong case on the basis of economic

5 GUK 65

return of additional food production for the U.K. project being taken over by G.O.I. C.E. (IP) was requested to furnish the information on the points mentioned in our letter at pages 4. His reply may please be seen at page 5.

17) C.E should not have entered into the Technicalities of the project at this stage. We may address him again as suggested in para 15 ante.

Cu
10/2

Secy PW 4

18) V. Patil 14/2.
(VEERENDRA PATIL),
Minister for Public Works.

(9) Pl. put up the draft.

Ch
10/2

19/

DS (I)

20) Draft Secl. letter for consideration

20) Pl. put up typed drafts

Draft

CH
19/2

CH
19/2

Dy Secy (I)

22) Typed draft is Secl. letter.

CH
20.2.65

23) For perusal of the draft Memo at Page 80/C/F and approval

CH
20/2/65

Secy P.W.D.

Issued
Dated 24/2/65

M. CHANNAPPA.
Dy. Secy. to Govt. P.W.D. (Irr.)

SECRETARY TO GOVERNMENT
PWS/872/65
PUBLIC WORKS & ELEC. DEPT.

OFFICE OF THE MINISTER FOR PUBLIC WORKS
NO 265
15 FEB 1965
BANGALORE.

Secretary to Government
PWS 22/22 1872/65
PUBLIC WORKS & ELEC. DEPT.

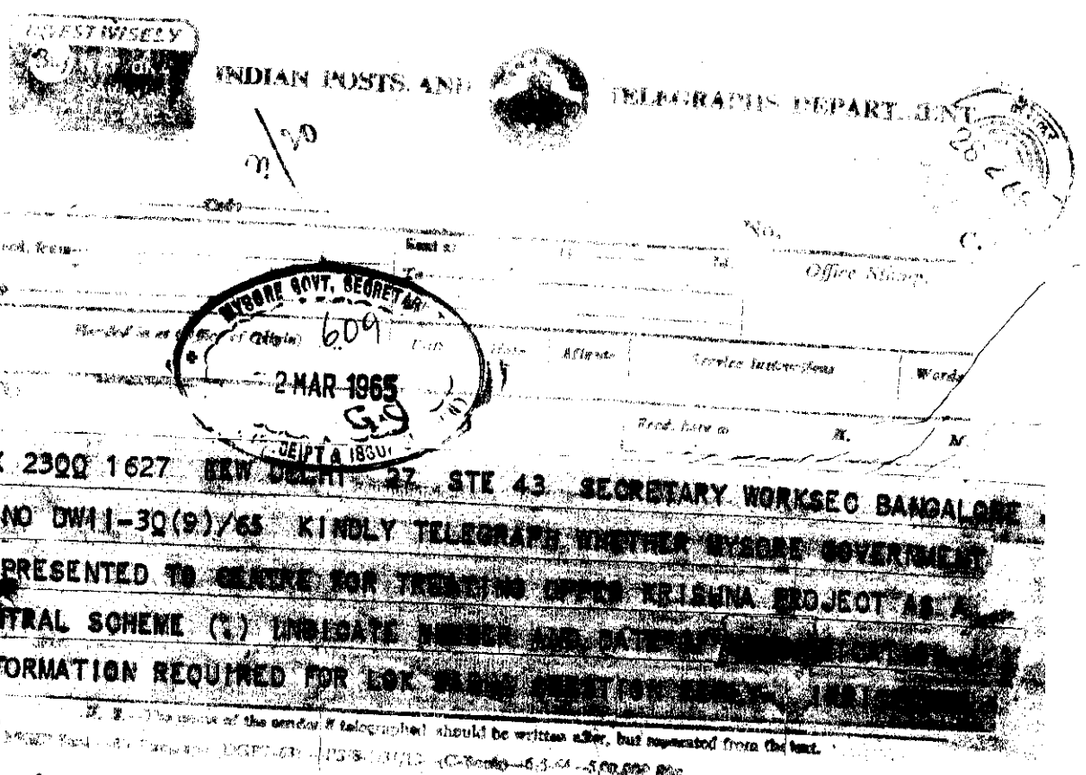
Note/Continuation Sheet

Subject Upper Krishna Project — Grant of assistance as central scheme.

File No. 10 SKK 65

WD 014899—GPB -8,00,000—5-12-64

Reference and markings	Notes and Orders.	Para Numbers



INDIAN POSTS AND TELEGRAPHS DEPARTMENT

Office Stamp

MYSORE GOVT. SECRETARIAT
2 MAR 1965
DEPTT. ISSUE

X 2300 1627 NEW DELHI 27 STE 43 SECRETARY WORKSEC BANGALORE

NO DW11-30(9)/65 KINDLY TELEGRAPH WHETHER MYSORE GOVERNMENT REPRESENTED TO CENTRE FOR TREATING UPPER KRISHNA PROJECT AS A CENTRAL SCHEME (2) DUPLICATE NUMBER AND DATE OF [illegible] INFORMATION REQUIRED FOR LOK SABHA QUESTION FOR [illegible]

N. B. The words of the sender's telegraphic address should be written after, but separated from the text.

GJ Section
2/3/65

WSS 2.3.65.

1

6

The file dealing with the subject regarding financial assistance for the U.K. Project has been submitted to Secy (WR) Deptt on 22-2-65 vide No B Gulk 65 with a draft DO to C.E. (UP) calling for a detailed note from him. There is a proposal still on the initial stage to approach the Govt

25

26

Note Continuation Sheet.

Subject... Interim arrangement in respect of U.K.P. as a Central Scheme. File No.....

Reference and markings	Notes and Orders	Para Numbers

Stitching space

to furnish the full finances required for the Upper Krishna project. This subject was discussed in Officials by the M(PW) with the Union Minister for Irrigation & Power. The C.E (ID) is therefore required to furnish a note in this behalf. However so far no reference Officials has been made to GOI in the circumstances in regard to the telegram it may be stated that no official reference has been made as yet to GOI

Draft telegram is also submitted for consideration 24).

CE
2.3.65

PM 4/3/65 — 28

M. CHANNAPPA.
Dy. Secy. to Govt. P.W.D. (Irrgn.)

Secy. P.WD)

pl. check up whether 29
time fixed in. CE
2/3

P.A.

SECRETARY TO GOVERNMENT
PUBLIC WORKS & ELEC. DEPT.
PUBLIC WORKS & ELEC. DEPT.

32. The supplementary file has been circulated with the main file. The draft telegram is at page 9 for communication

4.3.65.

Secy. P.W.D.

4/3/65

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

I kindly see the telegram received from G.O.I. in para 2 ante.

We have been called for detailed proposals from C.E.I.P.; we have not received from him any reply so far. Therefore no formal proposal has been forwarded to G.O.I. requesting them to finance the V.K. project outside the plan ceiling.

The draft reply may kindly be seen before issue

7/3/65.

CHANDAPPA PATEL,
Secy., P.W.D.

8/3

(VEERENDRA PATIL),
Minister for Public Works

Tel. may be sent as amended.

11/3/65

Issued
dated 16/3/65 Secy (PWD)

F. No. PWD. 64 UKP 65

D.O., reminder is put up for appn. (37

26/3 (38

29

30/3/65

ISSUED
Dated 5/4/65

Draft D.O. put up for approval. (39

21/6 (40

26/6/65

Issued
Dated 30/6/65

Lr No DSR/UKP/TAD/766/65-66 Dt. 28-7-65 PWD 2684/SD/65

From To C E (D) Req:- UKP. Financial Assistance from centre

The C E (D) forwards a note indicating (41 the importance of the Project, foreign exchange during IV the Plan. need the urgency to UKP outside the Mahi Plan. etc

29/7 The C/E (S/P)'s letter at page 17/cF may please be seen w/r to G.L. at Page 4/cF. It is for consideration whether the G.O.I may be approached for financial assistance to meet the entire cost required for the construction of Upper Krishna Project

Ref. to paras 15 to 18 ante

29/7

No. [redacted] Continuation Sheet

Subject.....

File No. 5 G WKGS

Reference and markings	Notes and Orders	Para Numbers

42) For perusal of paras 14,15,16-18 and also paras 31 to 35 of the case note. Chief Engineer (I.P.) has forwarded a detailed note on the Upper Krishna project indicating the importance of the project. It was desired at one time to sponsor this project as one to be financed fully by Govt. of India (outside the plan ceiling), but subsequently it is learnt that the proposal of financing certain projects fully by the Centre keeping them outside the plan has not been met with favourable response from the Planning Commission. Hence it is now a point for consideration whether this project of the State can be sponsored as scheme for which full financial assistance is to be given from the Centre, outside the plan ceiling.

30/7/65

(M.Channappa)
Deputy Secretary to Govt.
P.W.D.(Irrgn.)

Stitching space

SECRETARY TO GOVERNMENT
No. WLS 4934
31 JUL 1965
PUBLIC WORKS & ELEC. DEPT.

SECRETARY,)
P.W.&E.DEPT.)

for discussion 1/8 143

DS CL

Discussed. The Secretary desired to prepare a small 144
note emphasising the urgent need of the project in view
of the backwardness of the area, economically, and the
project would give benefits to the area. The area

Note Continuation Sheet

Subject..... File No PWDS Gulk/65

WD 014893—GP B—3,00,000—5-12-64

Reference and markings	Notes and Orders	Para Number
Recd on 2-9-65	benefitted or poor is to be indicated w.r.t. to the financial out-lay. The need for quicker execution is to be stressed w.r.t. to the physical benefits to the people of the area.	
	3/8/65	
	Draft put up for approval.	45
	28/9 10/10.65	

Stitching space

Note Continuation Sheet

Subject..... FILE NO.....

References and markings	Notes and Orders	Para Numbers

D.O. letter DCH 1303/66 dated 24/3/66 addressed to the C.M. by the Union Minister for Planning.

Minute of the C.M. thereon

"Reply due. Let P.W.D. Minister Study and advise"

Sntd/S.N. C.M 30/3

2) Minute of the M (P.W.D)

4/6 "Pl. put up a draft reply immediately"

Sntd/- V. Patil 31/3
M(P.W.D)

3) Orders of Secy. P.W&E.

4/7 "P.P. on 5-4-66"

Sntd/C.P 1/4/66

4) Orders of D/S (Irrgn)

4/8 "G.D. Section..
Pl. obtain the copy of C.M's letter dated 3/3/1966 from C.M's Office and Put up with P.C. of any"

Sntd/- M e
D/S PWD

5) 4/9 A copy of C.M's letter to the Prime Minister of India, obtained from the C.M's office is placed below. (Page 2/C.F) The G.O. I have

Note Continuation Sheet

Subject ..... File No.....

WD 914899—GPB—8,00,000—17-6-58

Reference and markings	Notes and Orders	Para Numbers

not agreed to take up this Scheme (Upper krishna) for execution as a central Scheme.

6) They have however stated that the National Dev. council on Agriculture and Irrgn. expressed the view that earmarked central assistance should be provided for large irrgn. Projects, and the interest charges on these loans should be capitalised for an agreed period of construction in order to relieve State Govt of the burden of interest during that Period.

7) There fore, the lines on which a draft Reply may be put up to the G.O.I's letter as required by the M(P.W.D) is for consideration and orders.

Stitching space

Note Continuation Sheet

Subject..... File No.....

References and markings	Notes and Orders	Para Numbers
	8) For perusal of the letter of the Chief Minister dated 3.3.65 addressed to the Prime Minister of India (vide page 2 of the case file) wherein he has requesting requested the Govt. of India to take up Upper Krishna Project as a scheme to be financed entirely by the Central Government, since it is not possible to provide adequate funds for quick execution of this project so as to derive early benefits may please be perused.	
	9) Reply received from Shri Asoka Mehta, Deputy Chairman, Planning Commission, in his letter dated 24.3.66 (vide page 1 of the case file) may also be perused.	
	10) It is stated in the letter of Shri Asoka Mehta that Irrigation is a State subject, since the financial aspect of the project such as Betterment contribution and Water Rate is also a State subject. The Planning Commission in consideration of the several aspects have come to the conclusion that irrigation projects should continue to form part of the State Plan. It seems the matter was also considered by the Committee of the National Development Council on Agriculture and Irrigation and has expressed the view that earmarked Central Assistance should be provided for large irrigation projects which would however continue to form part of the State Plan. The interest charged on these loans should be capitalised for an agreed	

Subsidising Agency

94WK66

Note Continuation Sheet

Subject .....

File No.....

WD 014899—GPB—8,00,000—17-6-66

Reference and markings	Notes and Orders	Para Numbers

period of consideration in order to relieve State Govts. of the burden of interest during that period.

11) As per the above view the project has to be financed within the plan resources and no additional assistance over and above the plan ceiling will be available for this project. Hence it would not help us much in getting through the projects qickly. What the Hon'ble Chief Minister has probably meant is the financial assistance in the form of a loan exclusively for this project outside the plan ceiling, so that the project may be pushed through for completion early and benefits derived.

12) Minister, P.W.D. and Chief Minister have kindly orders for a draft reply immediately. Hence a brief note on the Upper Krishna Project along with a draft letter addressed to Shri Asoka Mehta is now placed at page 3-4 of the case file which may be perused, ~~before issue~~. A draft resolution to be moved by the L A is also placed at Page 8 ~~of~~ C/F for perusal and desired by the Hon'ble P.W.D. 5/4/66.

(M.Channappa)
Dy.Secretary to Govt.
P.W.D.(I)

Copy of resolution given to Hon'ble P.W.D. by CE(IP). 5/4/66

~~JUNIOR~~
JT.SECY.PW&E.
SECY.PW&E.
MIN.PW&POWER
CHIEF MINISTER.

7/4

Let me have this

13.
5/7

Stitching space

information on the following:

1. Size of the IV plan according to the proposals sent to Govt. of I.
2. Allocation for irrigation.
3. The cost of the works carried over to the IV plan.
4. The amount required for
   (a) completion of the medium projects started during the previous plan period, if proposed during the IV plan
   (b) The Major projects started during the I II & III plans which have reached a stage of near completion & comparatively smaller expenditure on them would bring in great results
5. Climatic conditions of the areal which will be benefited by U.K. projects

After collecting the material on the above points, J.S. (DSH) should discuss with me on 18-4-66 at 10.30 AM.

16/4/66

JS/DS(I)
16/4

V. Urgent

PWS 1951

JOINT SECRETARY TO GOVT. OF INDIA
NO 376
16 APR 1966
PUBLIC WORKS DEPT

6. With reference to para 13 of the case note the statement at pages 9-18 of the case file giving information on all the points may be perused. On study of the same the matter may perhaps be discussed with the Secretary, P.W.D. at his convenience. 14/5

23/4/66

(M.Channappa)
Deputy Secretary to Govt.
P.W.D.(Irrigation)

JOINT SECRETARY TO GOVT.
No. 569
Date 25-4-66
PUBLIC WORKS & ELEC. DEPT.

JT.SECY.P.W.&E.)

25/4

D. No 562/LA.D.21-4-66 from the Law Legislative on the subject.

PWD 453/3D 66/66

Law has handed as follows. 15/5

Urgent. Please check up if it has to go to the Cabinet

Sd Ch.
25/4.

The bill cited forwards the resolution as per Rule No 145 of the Rules of Procedure & Conduct of business in the Mysore Legislative Assembly

A copy of the resolution is also enclosed at page. 16/60

MM.
25/4.

Note Continuation Sheet

Subject... Central financial assistance to U Cap. File No. PWD 9 GUL 66.

Reference and markings	Notes and Orders	Para Number
	please see the letter dt 21.4.66 received from the Secy Mysore Legislature at page 14-15 c/R.	61
	In the Assembly a resolution has been moved urging on Govt to persuade GOI to take up the upper Krishna Project as a centrally aided project outside plan:	18. 62
	Information as to the introduction of the resolution in Assembly is not available. According to the Procedure the notice of resolution ought to have come to Govt and hence it was discussed in the Assembly as all the details of Govt could have been determined only after a decision of the Council of Ministers.	14. 63
	According to Rule 133 of the Rules of Procedure and Conduct of Business in the Mysore Legislature Assembly the member was required to give	20 64

Stitching space

Note Continuation Sheet

Subject..... Central finance for upper Krishna project

File No .....

WD 014899—GPB—8,00,000—11-8-6

Reference and markings	Notes and Orders	Para Numbers

fifteen clear days notice as an excerpt of the same has made cases have been brought to the Council of Ministers as provided in instructions xxx(iii) under Rule 17 of the Rules of Business Govt. of Mysore. But here the Legislature itself has furnished the Resolution as adopted by the House. The Legislature being the Supreme body so far as state is concerned the necessary decision may have to be carried out.

It may perhaps not be quite out of place to mention that Govt. has been anxious to see that the upper Krishna project is pushed through as early as possible. Sanction has therefore been accorded to go take up

21.

Stitching space

Subject..... Central finances for Upper Krishna Project

P&D File No..... 9 Irr 66

Reference and markings	Notes and Orders	Para Numbers

the work. In the mean time the Union Ministry of I & P visited the dam site and suggested certain modifications in the project. Revised proposals have been sent to G.o.I for technical clearance.

The project as now conceived involves an expenditure of Rs 120 crores and the first phase costs about 59 crores. In view of very limited finances as and the State financial position & the State the matter was moved with the national Development Council as C.M had stressed and urged upon G.o.I to take up this project & financing centrally. So much so the C.M. addressed a letter to P.M. in the matter which has been based on the planning

(22). 67

Stitching space

Note Continuation Sheet

Subject Central Assistance for Upper Krishna Project

Dept File No 9 Genl 66

WD 014899—GPB—8,00,000—11-8-65

Reference and markings	Notes and Orders	Para Numbers

Commission as reference has been received from the M(Planning) GoI in which it has been expressed that it would be difficult to give any special treatment to Upper Krishna project.

This matter is still under consideration to write back to GoI ~~stressing~~ stressing the need for an urgent execution of this project and to get more finances to provide for this project while this matter is engaging the attention of Govt in Resolution in its final form has come from the Legislature. 23. 68

According to the provision of entry 17 of II list of Seventh schedule to 24. 69

Stitching space

Note Continuation Sheet

Subject Central Assistance for upper Krishna Project

P&D File No. 9 Gen 66

WD 814833—GPB—8,00,000—17-6-6

Reference and markings	Notes and Orders	Para Numbers

under article 246 of the Constitution of India "Irrigation" is a State subject. As such it may have to be provided for by the State alone. But now article 258-A with the consent of the GoI the such a function can be entrusted to them. According to the provision of clause (vii) in the Second schedule to Rule 17 of the Rules of Business a decision of the Council of Ministers may have to be taken in the matter as GoI may have to be addressed with regard by the Governor of Mysore as per Article 258-A of the Constitution of India.

Typed

(23) 70

(26) 71

UP 26. In this regards the 27.4.66 note on p. 18-26 of PWDS GUIDE 66 placed below may be perused. In the resolution passed it is seen that the area proposed under UKP is shown as 14 lakh acres, this ought to be 4 lakh acres.

DS
Sec. PWD

4
27/4

(27) 72

27. The letter of the Secretary, Legislature, (vide page 14) and the Resolution of the Legislative Assembly in respect of Upper Krishna Project at page 15 of the case file

Stitching space

Note Continuation Sheet

Subject.... Central Assistance for Upper Krishna Project Desk File No. 9 Gen 66

Reference and markings	Notes and Orders	Para Numbers

may be perused. Secretary has desired to check up if it has to go to the Cabinet.

73 (28.) According to Rule 133 ~~of~~ the Rules of procedure and Conduct of Business in the Mysore Legislative Assembly ~~the~~ Member was required to give 15 days clear notice and on receipt of the same the matter could have been brought to the Council of Ministers as provided in Instructions No.2 and Rule 17 of the Rules of Business of the Secretariat. But the Legislature has alredy moved this Resolution and that being a supreme body it may perhaps be not necessary to place it again before the Cabinet. We may perhaps address Govt. of India for immediate action in the matter. If approved a draft letter addressed to the Minister for Irrigation & Power as from our Chief Minister will be put up. ~~ate page..... of the case~~ ~~file which may be perused and approved~~.

31/5/66.

(M.Channappa)
Dy.Secretary to Government,
P.W.D.(Irrigation)

JT.SECY.PW&E.
SECY.PW&E.

4/5

M. C. ANTIN,
Jt. Secy., P.W. & Elec. Dept.

A form as above will (29)
go up for orders
& draft which will 74

Stitching space

JOINT SECRETARY TO GOVT.
No. 372
Date 31-5-66
PUBLIC WORKS & ELEC. DEPT.

SECRETARY TO GOVERNMENT
No. 3121
31 MAY 1966
PUBLIC WORKS & ELEC. DEPT.

Note Continuation Sheet

Subject: Central Assistance for Upper Krishna Project. File No. 9 Guk 66.

Reference and markings	Notes and Orders	Para Numbers
	issue after personal discussion with PWD. CE. SE.	
	Addl Supdt Engr to put up for approval. (30) 6/5/66	
	7/5-66 U.S. 7.5.66.	
	Dy Secy (Irrn) 10/5	76
	10/5/66 M. CHANNAPPA, Dy. Secy. to Govt. P.W.D. (Irrgn.)	77
	CE 11/5 CHANDAPPA PATEL Secy. P. W. D. Elecy. Dept.	78
	Minister for Irrn.	79
	V. Patil 18/5 (VEERENDRA PATIL), Minister for Public Works	
	Secy PWD.	
	CE 19/5	80
	20/5/66	
	Addl Supdt Engr to put up for appl (31) 1/5/66 U.S. 13.6.66	81
	Some 16/6	82
	20/6/66	

SECRETARY TO GOVERNMENT No. PWS 3265 Date 11 MAY 1966 PUBLIC WORKS & ELEC. DEPT.

OFFICE OF THE MINISTER FOR PUBLIC WORKS No. 101/66 12 MAY 1966 BANGALORE

SECRETARY TO GOVERNMENT No. ... 19 MAY 1966 PUBLIC WORKS & ELEC. DEPT.

Note Continuation Sheet

Subject: Financial Assistance to Upper Krishna Project.

P.WD.5 GUK.66.
File No.

WD 814693—GPB—8,00,000—17-8-86

References and markings	Notes and Orders	Para Numbers

PWD 230 IG 9/66.

D.O.2.No AGT/36/22/66 Dt 27.6.1966 from the Spl Commr. for Projects in New Delhi on the subject.

The Spl Commr. states that a copy of unanimous resolution passed by the Legislature on the subject may please be sent to them to enable them to bring it to the Parliament for discussion. (33) 83.

In the circumstances if approved a copy of resolution at page ~~8/C~~ 15/C may be sent to Spl Commr. as desired. (34) 84

A Draft is also suggested. (35) 85

DFA.

4/7.

Dictated D.O. letter duly signed by Secy is placed below.

4/7 86

Dis (Secy. Mins) *)

14/7/66 87

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

ISSUED
Memo 14.7.66

For order whether Spl. Commr. may be reminded in the matter. 88

FM 14/9. Pl. put up a reminder 89.

Gopal 13.9.66.

GOVERNMENT SECRETARIAT Notified u/s 3 & 8 Date - 4 JUL 1966 PUBLIC WORKS & ELEC. DEPT.

Note Continuation Sheet

Subject..... File No.....

Reference and markings	Notes and Orders	Para Numbers

90. The letter of ~~our~~ the Minister for Public Works addressed to Dr.K.L.Rao, Union Minister of State for Irrigation & Power on 31.8.66 may please be perused at page 54 C.F. ~~along with~~ The letter of our Chief Minister dated-3-3-66 addressed to the Prime Minister of India and also the reply letter dated 24.3.66 (vide page 31 C.F.) from Shri Ashok Mehta (vide page 30 C.F.) may also please be perused.

91. The Secretary to the Union Ministry of Irrigation & Power has been addressed in Govt. letter dated 20.5.66 (vide page 48 C.F.) enclosing a copy of the resolution passed in the session of the Legislature requesting to take up the above project as Centrally aided scheme outside the Central Plan so as to complete it with utmost expedition.

92. Minister, P.W.D. desired that a letter ~~xx~~ by our Chief Minister (in continuation of his letter dated 31.8.66) to the Union Minister for Irrigation & Power and to the Finance Minister, Govt. of India to go requesting for immediate financial assistance outside the plan for expediting the works of Upper Krishna Project.

93. A draft letter addressed to the Union Minister for Irrigation & Power and also the Finance Minister, Govt. of India, placed at page 55 C.F. may please be perused and approved.

14/9/66

(M.Chanpappa)
DY.SECRETARY TO GOVT.
P.W.D.(I)

JT.SECY.PW&E.
SECY.PW&E.
MIN.PW&POWER
C.M.

JOINT SECRETARY TO GOVT. No 4970 15 SEP 1966 PUBLIC WORKS DEPARTMENT

94 Be moving up for circulation

Note Continuation Sheet

Subject: Central Assistance to Upper Krishna project.

File No. [illegible]

WD 614699—GPB—6,00,000—17-6-66

References and markings	Notes and Orders	Para Numbers

Prepage.

A modified and new draft is putup at page 58 for approval 95

6.20 17/9

Secy. PWD

17/9

M. C. PATIL,
Jt. Secy., P.W. & Elecy. Dept.

The draft has been suitably modified for approval

Co 19/9

Vide page 58 96

Minister's note

CHANDAPPA PATEL
Secy. P. W. & Elecy. Dept.

V. Patil. 22/9.

C.M.

(VEERENDRA PATIL),
Minister for Public Works.

Approved with slight additions. We may 97
also write to the Pte. enclosing a copy
of our letter and urging that it may be
decided in time and the
drought stricken people of the area. 24/9/66

Secy PWD)

98

24/9

24/9

99.

27/9

100

101. XXX 27/9

28/9

OFFICE OF THE MINISTER FOR PUBLIC WORKS
NO. 1986
20 SEP 1966
BANGALORE.

SECRETARY TO GOVERNMENT
No. [illegible] 5052
Date 20 SEP 1966
PUBLIC WORKS & ELEC. DEPT.

OFFICE OF THE CHIEF MINISTER
No. 1659
23 SEP 1966
BANGALORE.

SECRETARY TO GOVERNMENT
No. [illegible]
23 SEP 1966
PUBLIC WORKS & ELEC. DEPT.

5 Jan 68

Central Assistance to Upper Krishna Project

PWD 5 GUK 65

2) Adraft put up for approval

29/9 4.5. 28.9.66

DFA

Secy, P.W. & Elecy. Dept. 29/9

30/9/66

M. CHANNAPPA
Dy. Secy. to Govt. P.W.D. (Irrgn.)

CHANDAPPA PATEL
Secy. P. W. &. Elecy. Dept.

7/10

(VEERENDRA PATIL),
Minister for Public Work

CM wles.

103)

Secy (PWD)

17/10/66

JOINT SECRETARY TO GOVT. No. 5328 30 SEP 1966

SECRETARY TO GOVERNMENT No. PWS. 5285 Date 3-OCT 1966 PUBLIC WORKS & ELEC. DEPTT.

OFFICE OF THE MINISTER FOR PUBLIC WORKS No. 4103 4 OCT 1966 BANGALORE.

OFFICE OF THE CHIEF MINISTER No. 4915 7 OCT 1966 BANGALORE.

Chief Min.
No. Date

L. No PWS-22099 dt. 19.10.66 from the N. Delhi Dy. Sri V.B. Ekambaram. on the subject

104) The above with correspondence from the LNO CM 1.804/66 dt. 11-10-66 regg UKP. b/R& page 63/CF.

105) May be filed after perusal.

21/10 4.11.66

4/11

Financial Assistance to U.K.P. from the Centre.

2

PWD & G U.K.P.

No 1613-PWD/66. dt. 21-11-66 from the Prime Minister of India addressed to the Chief Minister on the subject. PWD.

Chief Minister has marked (106) on the letter as follows:.

Reply due and we have to urge again and make out a case. pl. see the letter Nagarjuna Sagara Govt. from Government of India.

Sd. S N
24/11.

(107)

The letter cited Mahi That math is also in mind the present stringent resources position in connection with the completion of the above project. Available resources have to be used first for completing major & medium irrigation project which are already much more advanced stage & it may not be possible to find more [illegible] present. However the matter will be considered by the Min for I & P to services the position from time to time.

108) For order.

1/12

109) Kindly peruse the letter @ P 67 & 68. It was seen noted thereon by the CM "Please see what Nagarjunasagar got from Govt. of India". No information regarding this is available with us. It

M. G. S. | Subject: | File No. 5 Gulti

WD 0[illegible] GPB—8,00,000 1-12-6

is possible PD may have this information, since various statements from Govt. of India regarding allocations to various states, might be possibly received by them.

DS/PD

4/3/XII

111) 3/12/66

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

Finance Department (Budget)

112) No information regarding the Government of India assistance to Nagarjunasagar is available in this Department also. However, from the Budget publications of Andhra Pradesh Government, the following information can be given.-

113) From Table 'A' in Appendix 'V' of the Budget Memorandum it will be seen that the following loans have been given by the Government for this project:-

		Loan taken (Rs. In lakhs)
1955-56	-	60.00
1956-57	-	358.00
1957-58	-	650.00
1958-59	-	750.00
1959-60	-	700.00
1960-61	-	800.00
1961-62	-	1000.00
1962-63	-	1000.00
1963-64	-	1414.23
1964-65	-	1400.00
Total	-	8132.23

114) The loan figures are not available for 1965-66 and 1966-67. But since it appears that 100% loan

MYSORE GOVT. SECRETARIAT
No.....
Date 6 DEC 1966
FINANCE DEPT. (RESOURCES)

So RFP

U.O. 4744/B
7/12/66

Subject: Financial Assistance Received from the Centre

File No. PWDS/GAK/6

M. G.

assistance is given to this project we may presume that the loan received during these years is equal to Revised Estimate of Rs. 2000.00 lakhs for 1965-66 and Budget Estimate of Rs. 820.00 lakhs provided under '98. Capital Outlay on Multipurpose River Schemes'. The total assistance the project may get at the end of 1966-67 according to the above information would be Rs. 109.23 crores. The terms of repayment of the loans are as follows:-

U.D. 474/B

115) 'Repayable in 20 annual equated instalments commencing from the 21st year from the date of drawal. During the first 20 years interest charges will be payable annually. Interest at 4½% per annum (Loans sanctioned upto 31-3-1958 will carry interest at 4½% per annum in respect of the period upto that date. For periods subsequent to 31-3-1958 the rate of interest on these loans outstanding on 1-4-1958 will be 3% per annum). The loans sanctioned from 23rd February 1963 are repayable in 20 annual equated instalments commencing from the 11th year. During the first ten years interest charges will be payable annually. Interest at 5 1/4% per annum. For loans sanctioned from 1-5-1965, the rate of interest has been increased to 5¼% per annum'.

27/12/66

KHAJAGULAM GOHAR ALIKHAN,
Under Secy., Finance (B) Deptt.

P.W.Deptt.)

U298

28 DEC 1966

G.9

29/XII

1655

29.12.66

M. G. S.

Financial Assistance.

Subject: Ⓣ UKP. File No.

From Ⓣ Centre PWDSG 4(1)67

WD 01050—GPB—8,00,000 13-12-65

116) Ⓣ D' Remarks at para 112-Ⓣ 115/NF in the Perusal Ⓣ I/R Ⓣ Para. 106/NF

30/12 YM 31.12.66

(117) Kindly see the Extract of News Item occurring in the issue of 'The Hindu' dated 21-1-1967. Based on this information, a Draft Letter addressed to the Prime Minister making out a case for special assistance to the Upper-Krishna Project is put up for kind perusal and approval.

Jt. Secy. PWD. No 450 Date 23/1/67

~~DS~~ ~~JS~~ for PW

118) 24/1 M. C. ANTIN, Jt. Secy., P.W. & Elec. Deptt. 23/1/67.

M. CHANNAPPA, Dy. Secy. to Govt. P.W.D. (Irrgn.)

24/1

Secy. PWD. 24/1 PWS No 266 Date

119) Ⓐ reference Ⓣ Nagarjuna Sagar in Ⓐ P. will not be helpful, as that project is now in advanced stage.

120) We were thinking of stage-development of the U.K project, The 1st stage being - a diversion weir & left bank canal at a cost of about Rs 12 crores Ⓣ Rs 16 crores, to irrigate an area of about 2 lakhs acres. Such a proposal will be attractive & is bound Ⓣ receive consideration by the Central Govt.

C. E. (IP) was talking

about such a project
if as he sent any concrete
proposal? Pl. write to
him if no proposal is
received from him.

PWS. 866/67

CA
2 Hlr(b)

JS.
US(T)

F 24/1

121) A proposal for taking up the UKP.
in stages is placed before the Tech. Subcommittee
of Tide Board. We may therefore await the
recommendations of that committee.

DS

CM
2/2/67

24/1

24/2

122) An instructive note on Upper Krishna
Project is placed @ p. 71 of the P.A to the
Minister P. WD desired to have a
note explaining the salient
features of U.K. Project and the
attempts made so far to obtain
financial assistance in the form of loan (as given
to Nagarjuna Sagar Project). Put side the Main
Ceiling, for expediting the Program on this
Project. A detailed note may at pages

DS
JS
Secy

M. G. S. | Subject :

71-77 the CLF may please be perused.

123) The patterns financial assistance being given to Nagarjuna Sagar Project is given in the note at page 68 of the CLF (extracts herein)

124) It was announced on the Radio a few days ago that Rs. financial assistance 120.0 crore rupees was given to Nagarjuna Sagar Project, by the Centre and it is likely that the project needs 30 crore more for Completion of Stage I. of the project.

125 It may perhaps be desirable to Press for Similar financial assistance in respect of W.H.Project (Outside the Plan Ceiling). The Hyme. M.P.S may also be apprised of the position.

Jt. Secy. PWD. No 2123 Date 30/3

Jt Secy P. WD
Secy P. WD.
Min. P. WD

29/3/67.

M. CHANNAPPA,
Secy. P.W.D. (Irrgn)

126)

CHANDAPPA PATEL
Secy. P. W. D. Secy. Dept.

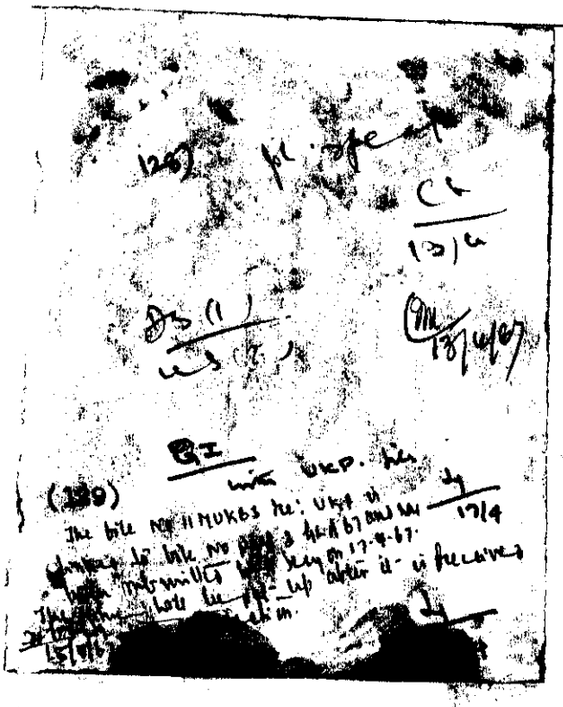
Secy. PWD. 3/4
PWS No 1270 Date

127) Secy to speak pl

9/4

(VEERENDRA PATIL),
Minister for Public Works.

OFFICE OF THE MINISTER FOR PUBLIC WORKS
NO. 525
7 APR 1967
BANGALORE.
D. 11 APR 1967
PUBLIC WORKS & ELEC. DEPT.



(130) With reference to Para 128 above, the subject was discussed with the Secretary, P.W.D. and he desired that we address the Chief Engineer, Irrigation Projects for furnishing the alternative Project for Upper Krishna which contemplated a weir across Krishna some where near Chitapur and immediate creation for potential of about 2 lakh acres at a cost of Rs.14 to 15 crores only. He felt that we could press the Govt. of India for assistance by furnishing such a Project which would ~~xxxx~~ create immediate benefits at a lesser cost. Since the main file concerned was in circulation the ~~reply~~ letter to the Chief Engineer was not put up. It is seen from the File No.PWD 11 MUK 63 placed below that this subject has already been discussed by the Technical Sub-Committee of the M.I.P.C. Board ~~which~~ in its Meeting held on 9-2-1967 and that the Technical Sub-Committee have recommended that the taking up of the Almatti and Narayanapur Dam ~~in~~ with phasing of the same so as to achieve immediate benefits at a lesser cost according to the availability of funds, etc., This subject is proposed to be discussed in the M.I.P.C. Board before any decision is taken in the matter. Therefore the Chief Engr. I.P.

M. G. S. | Subject: | File No. PWD 5 GUK 65.

WD 01050—GPB—8,00,000 18-12-65

may perhaps will have to be asked for furnishing the phased alternative Project only after a decision is taken in this regards by the M.I.P.C. Board.

DS / JS / for SW

8/5/67

M. SHANMUGAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

4/5

Jt. Secy. PWD. No 3214 Dated 9/5

US(T)

131) Pl. speak urgently 12/5

132) Discussed. The case is reexamined. The CE. IP. has already furnished a note on the alternative proposals of constructing a weir at Chitrapur and constructing Nanjangud Dam to a partial height. The proposals have already been examined by the Tech. Sub committee of the T/IPC. Board and it has been recommended by that committee that the phased construction of Nanjangud Dam-II may be taken up. This subject is proposed to be discussed in the next meeting of T/IPC. Board. Therefore, I still feel, it may be desirable to address the CE. IP, regarding the detailed remarks only after the matter is decided — the Board.

Jt. Secy. PWD. No 3472 Date 22/5

GOVERNMENT OF MYSORE 1968 23 MAY 1967 SECRETARIAT PUBLIC WORKS & ELECTRICITY DEPT.

JS 22/5

22/5 Secy (Pl & E) 133) US(T) Agreed 23/5 28/5 29/5

Subject: Financial assistance to U.K. File No. PWD 5 Luk 65 M.G.S.

134) Ref paras 132-133 ante. The decision of the M.P.C Board will be awaited.

30/5/67 Cp u.s. 20.5.67

135) 30/5

(136) Ref paras 130 - 133 ante. orders have been issued approving the phased programme at a Cost of Rs 86 Crores and the Lower Reservoir of U.K.P. project be Constructed at Narayanapuram instead of at Siddapuram. The C.E. I. P has also been requested to furnish the detailed estimate of the phased programme in file No. MW/Luk/3. Submitted for perusal and orders.

4/9/67 Cp u.s. 4.9.67

137) Awaiting estimates from CE

5/9

Subject: Irrigation Projects - Resolution passed by General Body meeting of the Mysore Pradesh Congress Committee

Receipt No. 5131/[illegible]

'we Min. PWD'

Ind. S.N 10/10/67

CM

Ind. V. Patil 14/10

Min. for P...

See PWD

138) The President, M.P.C.C is here has written letters to the Prime Minister of India Congress President, the Union Minister for Irrgn & Power urging for full Central financial assistance for implementing the proposed Krishna Projects. The K.P.C.C has also written a letter to our C.M. to move the Govt. of India to Provide full financial assistance.

139) So far as Minor Irrgn. is

140)

[redacted] Financial Assistance to Irrigation Projects. File No. ~~PWD 3 Irr 66~~ PWD 5 Irr 66-1 M. G. S.

Concerned efforts are being made to secure addl. central assistance. Towards this end the Govt. of India have been addressed. No further action appears to be necessary on the letters of M.P.C.C. Regarding upper Krishna Project G.I. Secy may kindly see for necessary action.

141) ~~47~~) G.I Section. There is also ~~D5~~) a file on this subject pl verify and putup

3/11/67

PWD 843/Irr/66

3/11/67

14/11/67

Shri M. Ao 14.11.67

142) ~~48~~) Reminders with the previous Pn. The M.P.C.C had passed a ~~resolution~~ resolution urging the G.O.I to give full financial aid towards Plan ceiling for the Construction of upper Krishna Project. The President, M.P.C.C has requested the Govt to move the G.O.I to give full financial assistance as requested in the resolution vide D91 C.F.

143) ~~49~~) In this connection kindly refer to para 74-84 N.F. The G.O.I have made available 100% loan assistance, within the Plan ceiling, for Ghataprabha Stage II and Tungabhadra High level Canal. No indication is given

M. G. S.

Subject: Financial assistance to Irrigation Projects. File No. PWD 3-4-4 5-4 WRD

WD 01050—GPB—8,00,000 13-12-66

by G.o.I regarding financial assistance to upperkrishna project, although we have already requested them for the financial aid either under World Bank or under any other source. Vide P 45 C.P.

144 For kind perusal and further orders.

Dy 28/11/67 Ld 15.xi.67 U.S.

145 We may address Govt. of India for assistance to UKP in continuation of our previous letter. A copy letter is drawn on Thin. may be perused.

Dy 16/xi

146) 147) Draft letter to the Union Min for Irri. &c from Min for P.W. is put up at P 96 C for Consideration.

Dy 18/11/67 Ld 18.xi.67 U.S.

147) 148) Pl. open

Dy 18/xi

148) 149) File no PWD 3 Misc 65 relating to Financial Assistance to U.K.P. is placed below for instructions.

Dy 20/11/67 Ld 20.xi.67 U.S.

149 Pl. put up. paras 54—64 etc. Treat this and put up a Reminder to GoI. to the letter @ P 45 y

Dy 20/xi

Financial Assistance to U.K. P.

File No. ~~PWD 3 Irr 66~~ PWD 5 Irr 67-

M. G. S.

150) Ref para 149 ante. Draft reminder to G.O.I is put up for Cabt.

23/11/67 to 4.5. 23.XI.67

151) Done

29/11

28-11-67

D. No 3462/G.I/67. P98.

152) The interim reply from G.O.I, may kindly be perused in P98 c.f. In view of what is stated therein, the receipt of further communication may be awaited.

30/12/67 to 4.5. 30.12.67

31/1

153. The telegram dated 5-1-1968 from the Secretary to Government, P.W.D. addressed to the Chief Engineer, IP,(North), requesting him to come ~~out~~ to Bangalore to be present at the time of the proposed discussion of Mr.John Lewis, Minister Director, A.I.D. with the Minister,P.W.D. on 11-1-1968 may please be perused with reference to the letter of our Chief Minister addressed to the Prime Minister on 11.10.66 and also the letter of the Minister, P.W.D. addressed to Dr.K.L.Rao, on 31-8-1966 at pages 63 and 65,and the interim reply of the Govt. of India dated-26.12.67 on this subject. Apart from the Chief Engineer probably the Secretary, Finance and the Secretary,Planning i.e., Development Commissioner may be requested to attend

M. G. S.

Subject:
CENTRAL ASSISTANCE TO UPPER KRISHNA PROJECT.

File No. PWD 5 GUK.68

WD 01000—GPS—8,00,000 13-12-65

this meeting.

6/1/68
(M. CHENNAPPA)
DY. SECRETARY, PWD (I

JT. SECY. PW&E.
SECY. PW&E.

6/1

Jt. Secy. PWD
No 169 Date 8.1.68

154) Action desired — Brief note on UKP. in place of p. 101. of the agenda.

DS
Jt Secy P.WD
Secy P.WD

8/1

8/1/67

M. CHANNIA.PA.

4
8/1

Secy. PWD. 8/1
No 188 Date

4
12/1

155) Please remind GOI. & See. page 38/c

4
20/1

156) Draft reminder is put up for Advn.

21/3/68. by U.S. 21.3.68.

157) ISSUED

Dated 25/3/68.

158) A Meeting was held in the chambers of the Secretary, P.W.D. on 23-3-1968 to discuss with Mr. Basil Kavalsky, representative of the World Bank

(regarding their attitude towards furnishing aid to irrigation projects in our State.) The World Bank representative discussed in detail the various measures adopted by Government for investigation, planning, execution and development of our irrigation projects. All the informations required by him were explained to him. (During) It was made clear to the World Bank representative that the World Bank is desirous of aiding irrigation projects in our country and that they would not approach these projects purely from a financial point of view but would also consider the overall economic development. To be able to provide any aid for any project, it was the feeling that they should be associated with the project right from the initial planning stage and that the execution of the project and the development of the area under the project should, to enable a proper commercial accounting being maintained, be managed by an independent corporation. (They were quite open to consider the Upper-Krishna Project for being provided with aid from World Bank in case the details of this project are furnished to the World Bank Organisation for scrutiny by its Engineering, Agriculture and other experts in the Bank.)

159) Some time in September 1966, Government of India in the Ministry of Irrigation and Power had proposed that information regarding the Upper Krishna project and Ghataprabha Project Stage-II may be furnished to them so as to consider financial assistance to those projects from World Bank or I.D.A. The

M. G. S.

Subject: FINANCIAL ASSISTANCE TO UPPER KRISHNA PROJECT

File [redacted]

WD 01050—[redacted]

necessary particulars in this regards were sent to the Government of India on 14th September 1966. So far nothing has been heard from their end. It may therefore be desirable to again ~~to~~ draw the attention of the Government of India, if necessary, by a D.O. from our Chief Minister to the Deputy Prime Minister indicating therein that the representative of the World Bank was here recently ~~who came especially~~ and discussed various aspects of Irrigation projects and we presume by his talks that he has ~~to consider financing of the Upper Krishna Project~~ carried good impressions of our State, and may be able to ~~provided details of this scheme were furnished to~~ help in financing the Irrigation projects ~~him and the same are examined by the experts in that organisation.~~) A draft letter addressed to the Deputy Prime Minister as from the Chief Minister is placed below at page 107-108 c.f.

DS
Secy
Sri Bharat D.S
C.M

160) 100/26/9

24/9/68
[redacted]
Addl. Secy. to Govt. P.W.D. (Irrgn.)

161) Copy of letter from Sri Basil Kavalsky is at page 107. Sri Kavalsky is the finance man and a Residential Representative of World Bank. He stayed hitherto for three weeks or so and was given a true picture of our progress in several fields. He met several Officers at various levels of all depts. So far as

Asst. P.W.D. No. 679 - Dated 25.9.68

Subject: Financial Assistance to Upper Krishna Project — File No. — M. G. S.

[illegible] I hope [illegible]

The [illegible] our administrative [illegible]

[illegible] Co-operative Movement, Administration, [illegible] collection, [illegible] Control over finances etc. There

Can [illegible] monopolistic [illegible] letter under the

[illegible] dropped as per discussion (Page 18)

If [illegible] Secy. to Govt. & Order [illegible] Secy., F.D. No. 6530 Dt. [illegible]

[illegible] experts will come and we can [illegible]

for a good Case for upper Krishna.

Y.S. 29/10

M. VEERAPPA MOILY,
Finance Secretary to Government.

29/10

RAMAKRISHNA HEGDE,
Min. for Fin. & Youth Affairs.

Fin. Min. & Youth Affairs
No. 1574 Date. 31/X

F.S. 35
28 MAR
F.D. (I.F.)

6795/FMS/68

12/11

16/11

D. S. PVT. Secy.
No. 1600 16/11/68

M. G. S. | Subject: [redacted]

WD 01050—GPS—[redacted]

Please see pages 158 to 163 ante at page 109 of draft addressed to Dept. P&T on dem C/1 requesting the recommending of Upper Krishna Project to the World Bank for aid, may be perused and approved.

Jt. Secy. PWD No 4528 Dated 20/11

DS / JS / for MW / CG

The draft has been agreed to by F.D also.

16/11

G. V. VENKATA RAMU,
Jt. Secy. P.W. & Elec. Dept.

19/11/68

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrn.

CHANDAPPA PATEL
Secy. P. W. & Elecy. Dept.

Chief Min. No. 3481 Dated 23/11/68.

5/12 pl.

The letter has been despatched.

26-11-68
J. C. LYNN
Private Secretary
C.M.

Secy PWD 1/11

Secy PWD. Dated 1.11 No 8352

Issued 26/11/68

27/11

A copy of letter from CG dated 2-8-68 on the merits of loans to UKP and the reply from the P&T dated 19-2-68 are placed at p. 111—113 ante.

8/3/69

Appendix F. C. - 11

SUBJECT Financial Assistance to [redacted] Project by the Govt. of India Ministry of Irrigation and Power N.D. Delhi

Diary No. of letter replied to.....

Section P W D.

File No. 5. G 44/65

Serial No.

Mysore Government Secretariat.

the 16th 196

Date of issue.....

To ~~The C E (P)~~

Signed by.....

Dear Sir, In order to step up the food production in the Country Govt is likely to finance entirely the Construction of upper Krishna Project. It appears ~~entirely~~ the matter was discussed at Delhi with the Union Ministry for Irrigation and Power who inclined to was pleased to consider the matter of financing the project favourably. It is proposed to ~~the enable this Govt~~ to approach the Union Govt in the matter. I am therefore requested by the following Parties Cultivators ~~who be assessed~~

List of enclosures.....

Copied by.....

Examined by.....

requested you kindly to send a careful proposal in circling

1) A detailed note on the Project.
2) Financial aspect of the Project.
3) Area to be benefited by the Project.
4) The yearwise tangible results within the targetted period ie 5 or 6 years.
5) The probable increase in food production since the shortest period.
6) The yearwise increase in ~~Food~~ Food production

Reply for the above points may please be send to Govt. very early.

Y

DIS PW (Y).

C Secy. Rev (Jp) by name.

09.1.67

DO No.PWD 5 GMK 65

Dear Sir,

Sub: Financial Assistance to Upper Krishna Project by the Govt. of India, Ministry of Irrigation and Power, New Delhi.

In order to step up the Food Production in the Country, Govt. of India is likely to Finance entirely the construction of Upper Krishna Project. It appears the matter was discussed at Delhi with the Union Minister for Irrigation and Power who was inclined to consider the matter of financing the project favourably.

It is proposed to approach the Union Govt. in the matter. I am, therefore, desired to request you kindly to send a definite proposal indicating

1) A detailed note on the project.
2) Financial aspect of the project.
3) Area to be benefited by the project.
4) The ~~yearwise~~ tangible results within the targetted period i.e. 5 or 6 years.
5) The probable increase in Food Production ~~in the shortest~~ period.
6) The yearwise increase in Food Production.

Reply for the above points may please be sent to Govt. very early.

Yours sincerely,

Shri I.M.Magudum, BE,
CE, IP, Banga ore.

Chandappa Patel,
SECRETARY

L.C.No. WD5GUK 65

4

GOVERNMENT OF MYSORE,
P. W. AND ELECL. DEPARTMENT,
BANGALORE,

*Dated...*20th Jan...*1965*.

Dear Shri Magdum,

Sub: Financial Assistance to Upper Krishna Project.

--

You are, perhaps, aware that Government of India have taken up some of the Major Irrigation Projects like Rajastan Canal for construction which are being financed completely by them. Similarly, they have also given and are giving accelerated assistance for a few other projects like Nagarjunasagar in Andhra Pradesh. It is understood that there is a possibility of the Upper Krishna Project being considered for such a treatment i.e. either it will be taken over by the Central Government or accelerated assistance would be given for its construction. But a concrete proposal has to go from the State Government. In the circumstances, I would request you kindly to furnish the following information to enable the Government to make out a strong case for the Upper Krishna Project being taken over or financed by the Government of India:

1. A brief note on the Project Report.
2. Financial aspect of the Project stage-wise
3. Area to be benefited by the Project in stages.
4. The results that could be achieved within a period say 5 to 6 years.
5. The quantum of increase in food production that can be expected soon after the completion of a particular stage of the Project.
6. The increase in the food production in the subsequent years as the irrigation develops.
7. Any other information which you may consider useful in making out a strong case in this respect.

I shall be grateful if the above information in a comprehensive manner is furnished to Government as early as possible.

Yours sincerely,

CC

(Chandappa Patel)

ISSUED
Dated...9-2-65

Shri I.M.Magdum,
Chief Engineer,
Irrigation Projects,
Bangalore.

Nr:

GOVERNMENT OF MYSORE
PUBLIC WORKS DEPARTMENT.

I.M. Magdum,
Chief Engineer, **BE, MIE,**
Irrigation Projects in Mysore.

14, CUNNINGHAM ROAD,
BANGALORE-1.

D.O. No. 467/P

Dated. 22-1-1965

Sub:- Financial Assitance to Upper Krishna Project.

Dear Shri Patel,

Please refer your D.O. letter No. IWD 5 GUK 65 dated 20th January 1965 requesting me to furnish information on certain points mentioned therein.

2. At the moment the Upper Krishna Project scope as approved in the last meeting of the Major Irrigation Projects Control Board has yet to be worked out in detail. It may take some time. Moreover till the Planning Commission clears the revised Project, the Government of India is not likely to take cognisance of the same. I, therefore, propose that with a view to expedite matters we may take into consideration the Upper Krishna Project as already cleared by the Planning Commission for Rs.58.2 crores. Please let me know whether this view is acceptable to Government.

3. If my view is acceptable to Government, most of the information required already contained in the Project Report cleared by the Planning Commission. It only has to be recast in the manner required. This could be done quickly.

4. Please let me have the view of Government immediately.

Shri Chandappa Patel, IAS,
Secretary to Government,
Public Works & Elecy: Dept.,
"Vidhana Soudha", Bangalore-1.

Yours sincerely,

(I.M. Magdum)

PWD's guidelines

Subject: Upper Krishna Project

Financial assistance from Centre

Dear Shri:

Kindly refer to your DO No 467/PS/22.1.65 on the above subject. As you are aware the State is already facing financial stringency. And ~~Further measures~~ further measures the Govt are anxious to execute as many works as possible for the public weal. The Upper Krishna project being one of such works and it is more important as it will serve a famine stricken area as well also help to step up the food production of the Country, it is proposed to secure total finances required for this project from G.O.I. It was only with this criterion that a detailed note on the project with particular reference to the points mentioned in the DO of even no dt 20.1.65 was called for. The note as such has to be of a general nature without entering on the technicalities. I shall be grateful if ~~I can therefore be favoured~~ you will kindly arrange to furnish such a note, at a very early date, stressing the importance of the project, benefits that can be derived as also as many possible benefits that can be derived

7

If certain persons are given
as assistance from GOI.

Y.S

Chief Engineer (PP).
~~Shri S/H~~. Ors name.

16/6.266

"DRAFT"

D.O.PWD 5 GUK 65.

Subject: Upper Krishna Project Financial Assistance from Centre.

Dear Shri.....

Kindly refer to your D.O.No.467/P dated 22.1.65 on the above subject. As you are aware the state is already facing financial strengency but the Govt are anxious to execute as many works as possible for the public weal. The Upper Krishna Project being one of such works and it is more important as it will serve a famine stricken area and will also help to set up the food production of the country, it is proposed to secure total finances required for this project from Government of India. It was only with this intention that a detailed note on the project with particular reference to the points mentioned in the D.O.of even No. dated 20.1.65 was called for. The note as such has to be of a general nature without entering into the technicalities. I shall be graeful if you will kindly furnish such a note, at a very early date, stressing the importance of the project, benefits that can be accured and also year-wise possible benefits that can be derived if certain funds are given as assistence from Government of India.

Yours faithfully,

Chief Engineer(IP)
by name.

SvR.

20-2-65

Issued
Dated.....23/2/65

Irrig Power
New Delhi.

Your Ref DW 11-30(9)/65 of twenty seventh ultimo.

~~No reference made as yet~~. No formal proposal has as yet been made by Govt. Chief Minister has urged all schemes above 10 crores be financed & centre as Irrigation & Hydel Work see.

Put to the telegraphs.

17/9/65
D.S. PWD.

PWD 14.GLA 65.

Post copy and confirmation of the above transaction to Secy to Govt of Minister of Irrigation as answer with reference to his telegram cited above.

17/9/65
D.S. PWD

IRRIG POWER

NEW DELHI

YOUR REFERENCE DW 11-30(9)/65 OF TWENTYSEVENTH ULTIMO (.)NO FORMAL PROPOSAL HAS YET BEEN MADE TO GOVERNMENT OF INDIA (.) CHIEF MINISTER HAS URGED ALL IRRIGATION AND HYDEL SCHEMES ABOUT TEN CRORES BE FINANCED BY CENTRE AS LOAN

WORKSEC

****

Not to be Telegraphed.

(M.CHANNAPPA)
Deputy Secretary to Government,
Public Works Department (Irrigation).

krn; 160365.

PWD 14 GLA 65.

Mysore Government Secretariat,
* Vidhana Soudha *
Bangalore, dated 16th Mar.'65

Post Copy in confirmation of the abowe forwarded to the Secretary to Government of India, Ministry of Irrigation and Power, with reference to his telegram cited above.

M Channappa 16/3/65

Deputy Secretary to Government,
Public Works Department (Irrigation).

Issued
Dated 16/3/65

IRRIG POWER

NEW DELHI

YOUR REFERENCE DW 11-30(9)/65 OF TWENTYSEVENTH ULTIMO (.)NO FORMAL PROPOSAL HAS YET BEEN MADE TO GOVERNMENT OF INDIA (.) CHIEF MINISTER HAS URGED ALL IRRIGATION AND HYDEL SCHEMES ABOUT TEN CRORES BE FINANCED BY CENTRE AS LOAN

WORKSEC

Note to be Telegraphed.

(M.CHANNAPPA) 16/3/65
Deputy Secretary to Government,
Public Works Department (Irrigation).

krn; 160365.

Issued 16/3

IRRIG POWER

NEW DELHI

YOUR REFERENCE DW 11-30(9)/65 OF TWENTY3EVENTH ULTIMO (.)NO FORMAL PROPOSAL HAS YET BEEN MADE TO GOVERNMENT OF INDIA (.) CHIEF MINISTER HAS URGED ALL IRRIGATION AND HYDEL SCHEMES ABOUT TEN CRORES BE FINANCED BY CENTRE AS LOAN

WORKSEC

Not to be Telegraphed.

(M.CHANNAPPA)
Deputy Secretary to Government,
Public Works Department (Irrigation).

krn; 160365.

PWD 14 GLA 65.

Mysore Government Secretariat,
* Vidhana Soudha *
Bangalore, dated 16th Mar.'65

Post Copy in confirmation of the above forwarded to the Secretary to Government of India, Ministry of Irrigation and Power, with reference to his telegram cited above.

M Channappa 16/3/65

Deputy Secretary to Government,
Public Works Department (Irrigation).

D. O. No. PWD 5 CUK 65

MYSORE GOVERNMENT SECRETARIAT,

Dated, Bangalore, 3 .6.65

DEAR SIR,

I am desired to invite your attention to this Office ~~Letter~~ D.O. No. PWD 5 CUK 65, dated 20.1.65, ~~and the subsequent reminders~~ and PWD 5 CUK 65 dated 23.2.65 ~~on the subject noted~~ and the matter is long pending.

and to request that reply thereto may kindly be expedited, ~~as the matter is long pending.~~

Yours sincerely,

30/3/65

To

The C.E. (P.)
Bangalore

By name

WD 010659—GPB—120 pads of 100 shts. each—23-5-63

26/3/65

26/3.

M.Channappa, BE,MIE,
Deputy Secretary to Government.

Mysore Government Secretariat,
Public Works Department,
Vidhana Soudha,
Bangalore, dated, 1-4-1965.

DO No.PWD 5 GUK 65

Dear Sir,

I am desired to invite your attention to this Office D.O. No. PWD 5 GUK 65 dated 20-1-1965 and PWD 5 GUK 65 Dt. 23-2-1965 on the subject cited and to request that reply thereto may kindly be expedited.

Yours sincerely,

3/4/65

Shri I.M.Magdum, BE,
Chief Engineer,
Irrigation Projects,
Bangalore.

c/c

MYSORE GOVERNMENT SECRETARIAT,

D. O. No. PWDSGWK65

Dated, Bangalore, ...

Sub:- As in page 14/C F

DEAR SIR,

I am desired to invite your attention to this Office ~~Letter~~ No. D.O. letter

P.W.D.S.G.W.K.65, dated 20-1-65, and the subsequent D.O.R no: P.W.D.S.G.W.K.65 dt: 23-2-65 and D.O.R no: P.W.D.S.G.W.K.65 dt: 1/3-4-65 ~~reminders,~~

.....

.....

.....

and to request that reply thereto may kindly be expedited, as ~~the matter is long pending~~ reply is due to 8.0.9. from this end.

Yours sincerely,

26/6/65

To

The C E (W P)

Bijapur.

WD 010659—GPB—120 pads of 100 shts. each—23-5-63

GOVERNMENT OF MYSORE

M. CHANNAPPA, B.E., AMIE.,
Deputy Secretary to Government,
Public Works Department(Irrgn).

Mysore Government Secretariat
Vidhana Soudha,
Bangalore, dated 2 30 -6-1965.

D.O.No.PWD 5 GUK 65.

Dear Sir,

Sub: Upper Krisnna Project Financial Assistance from Centre.

I am desired to invite your attention to this Office D.O.letter No. PWD 5 GUK 65 dated 20-1-65, and the subjmsequent D.O.R No.PWD 5 GUK 65 dated 23-2-65 and D.O. R No.PWD 5 GUK 65 dated 1/5-4-65 and to request that reply thereto may kindly be expedited, as a reply is due to Government of India from this end.

Yours sincerely,

28/6/65

Shri I.M. Magdum,B.E.,
The Chief Engineer,(IP),
Bangalore.

ags/28-2.

Issued
Dated.....30/6/65.....

GOVERNMENT OF MYSORE

OFFICE OF THE CHIEF ENGINEER, PWD
Irrigation Projects in Mysore,
Park House, Bangalore.1.

No: D&R/UKP/TAD1/766/65-66
Encl: One note and 3 statements.

Dated: 28 JUL 1965

To

The Secretary to Government,
Public Works Department,
"Vidhana Soudha",
Bangalore.

Subject:- Upper Krishna Project-Financial Assistance from Centre.

Ref:- Govt: D.O.Letter No: PWD. 5. GUK. 65. dated. 30-6-1965.

....

I enclose, as desired, a note on the Upper Krishna Project indicating the importance of the Project, phasing of outlay and foreign exchange during IV Plan, potential and utilisation and need for financing the Upper Krishna Project outside the State Plan. The outlay has been so phased as to complete stage-I of the Project by the end of IV Plan.

Sri KSS

29/7

O.C. Signed by CE. I.P.

Yours faithfully,

28.7.65

for Chief Engineer, PWD.,
Irrigation Projects.

27.7.65

OTE ON THE UPPER KRISHNA PROJECT PROPOSED UNDER CENTRAL AID.

18

Brief Outline of the Project:

1.1A. The river Krishna rises in Western Ghats in Maharashtra State and flows in Belgaum, Bijapur, Raichur and Gulbarga Districts of Mysore State for a length of 775 miles before entering Andhra Pradesh. The river runs through the region in Mysore State which is mostly famine stricken. In order to utilise the waters of the Krishna, which also is the panacea for all the ills that prevail in this region, various proposals have been contemplated of which the Upper Krishna Project is the biggest and the most important.

B. The Upper Krishna Project Report was prepared and forwarded to Central Water & Power Commission in 1960. The Project was modified and forwarded to C.W. & P.C. in August 1963. The Project was further modified as per the suggestions of CWPC during September 1963. This Project was sanctioned by the Planning Commission in November 1963. As per this the Phase-I of Upper Krishna Project envisages the construction of a storage Dam across Krishna at Narayanpur in Gulbarga Dt. with left and right Bank Canals to irrigate an area of 6.00 lakh acres in Bijapur and Raichur Districts. The Project is estimated to cost Rs.58.2 crores, in which a provision of Rs.30.00 lakhs has also been included for foundations of Almatti Dam, near Almatti in Bijapur District.

Subsequently, Dr. K.L. Rao, Union Minister for Irrigation & Power, inspected the Almatti and Narayanpur Dam sites in April 1964 and suggested that the capacity of the Almatti Reservoir may be increased by increasing the height of Dam by about

8 to 10' and lower dam shifted from Narayanpur to Siddapur, about 3 - 4 miles upstream of Narayanpur Dam site. During the visit of Dr. K.L. Rao, Union Minister for Irrigation & Power on 28-12-1964 this was discussed and in the light of his instructions the project has been recast.

Phase-I of the Project envisages construction of (a) Almatti Dam with its Left Bank Canal (partial) to irrigate 3.2 lakh acres (1.1 lakh acres in Bijapur District and 2.1 lakh acres in Gulbarga District); (b) Storage Reservoir at Siddapur with a Left Bank Canal (complete) to irrigate 2.8 lakh acres in Gulbarga District. This is estimated to cost 59.00 crores.

Phase - II of the Project contemplates (a) Increasing the F.R.L. of the Almatti Reservoir by adding another tier of gates and completing Left Bank Canal which brings under command a further area of 2.3 lakh acres in Bijapur District; (b) increasing the F.R.L. of Siddapur Reservoir by installation of crest gates and completing the Right Bank Canal in all respects to irrigate 3.7 lakh acres in Raichur District. In Phase - II of the Project the additional area that will be brought under irrigation will be 6.00 lakh acres at an estimated cost of Rs.56.00 crores.

Thus the Phase - I and Phase - II of the Project contemplate to irrigate 12.00 lakh acres in Bijapur, Gulbarga and Raichur Districts at an estimated cost of Rs.115 crores. Phase - I of the Project was inaugurated by Shri Lalbhadur Sastri on 24th May 1964.

(Contd. on page 3) ...

2. Statistical Data on famine and scarcity conditions in Bijapur & Gulbarga

The annual rain fall in Bijapur and Gulbarga Districts is of the order of 20 to 22 inches. The rainfall is scanty and ill-distributed and the region is often in the grip of recurring famines. From the statistical data of these Districts, (~~vide enclosed~~) it may be seen that the famine has occured on an average at least once in three years, In some portion or the other of these districts, thus rendering the Agriculturists of the region helpless and even forcing them to migrate elsewhere in search of food. The State Government have been forced to spend on famine relief works huge sums to provide employment and food to labour.

3. Soil Fertility and need for irrigation:

Though the rainfall is scarce in these regions, the land is bestowed with rich and fertile soils and is best suited for irrigation. According to Agricultural Reports 30% of the area is well suited to heavy irrigation and 50% for wet-cum-dry crops in this region At present only dry crops are grown, as they have no assured water supply. Provided assured irrigation facilities are given, the area will become self-sufficient and also will be in a position to mitigate the food shortages in the adjoining areas. As the population is mainly dependent on Agriculture, the only way thus left is to develop this region by providing large scale irrigation facilities. In order to relieve the people from recurring famine and pestilence and improve their living standards, the Upper Krishna Project is the only remedy which will go a long way.

4. Statistical Review of Irrigation In Bijapur and Gulbarga Districts:

Culturable area of Bijapur District is 38.79 lakh acres and the area irrigated during the pre-planned period is only 56,300 acres, i.e. only 1.45 per cent of the culturable area. During the 1st Plan several irrigation schemes were taken and irrigation commited by the end of 1st plan by these schemes is 1.08 lakh acres, i.e. 2.81 per cent of the culturable area. During the II Plan some more schemes were taken up and the commited irrigable area rose to 2.53 lakh acres i.e. 6.5 per cent of the culturable area. Now new major and medium irrigation schemes are taken up in Bijapur District during the III Plan, except the Upper Krishna Project phase - I & and Malaprabha Project, which will benefit this District. Malaprabha Project irrigates in this District only 3000 acres, whereas Upper Krishna Project Phase - I will assure water supply to 1.1 lakh acres, thus increasing the total irrigable area to 13.56 lakh acres, i.e. to 9.4% of culturable area.

The culturable area of Gulbarga District is 36.32 lakh acres and the percentage of irrigation at the end of pre-plan period is only 43,300 acres, i.e. 1.18% of culturable area. No new irrigation works were taken up during the I Plan and only one medium irrigation scheme was taken up during the II Plan. The commited area to the end of the II Plan period is 48,600 acres, i.e. 1.33% of the culturable area. The only scheme though of in the III Plan to benefit this district is Upper Krishna Project - Phase I, which irrigates 4.9 lakh acres, thus increasing the irrigation potential 5.39 lakh acres, i.e. 14.7% of the culturable area.

22

Thus it can be seen that the Upper Krishna Project phase I is the only project at present taken up during the III Plan, which can bring immediately relief to the famine stricken districts of Bijapur and Gulbarga.

5. Direct and Indirect Benefits:

Upper Krishna Project being a major scheme confers abundant direct and indirect benefits to the people of the region. The project directly benefits the area by bringing 12.00 lakh acres of irrigation and increase food production by 4.00 lakh tons per year at the end of phase II of the project. Apart from the direct benefits, it ushers many indirect benefits like providing employment to labour, which hitherto have been hard hit by famines, saves investments of the State on famine relief works, provides overall development of other allied trades, industries, fisheries etc. The area will develop as these industries will use local raw materials and provide employment to the labour even after the project is completed. The attendant development works of the project, viz. development of village roads, power supply, setting up of Agricultural Demonstration Centres, to introduce improved strains of seeds, best suited to the area, popularising animal husbandry on scientific basis and many such activities and developments will improve the living standard of the local people in a reasonable short span, by introduction of this major irrigation schem, which otherwise would have normally taken several decades or even a century. On account of vast irrigation and supply of power from Hydro-Electric Projects like Sharavathi, Kalinadi and also power production under the two Dams of Upper Krishna Project, several

industries like Sugar Factories, Chemicals and Fertilisers, Paper Factories etc. will start functioning by which there will be an overall development of industrial and economic wealth of the country. These will also improve the returns of the State Exchequer by additional Taxes and duties. Construction of such large reservoir will also improve the climatic conditions of round about regions.

6. Review of the Development of Potential:

Undertaking of Major Irrigation Schemes like Upper Krishna Project will improve the irrigation potential of the State. The area of the Mysore State is 480 lakh acres, out of which 350 lakh acres are culturable area. During the pre-Plan period the percentage of irrigation to the culturable area is only about 5%. During the I Five Year Plan Period 3 Major and 8 Medium Irrigation Schemes were taken up at an estimated cost of Rs. 82.78 crores. The percentage of irrigable area comited to the end of I Plan is about 7.9%. During the II Plan, 14 new schemes were taken up in addition to the continuing schemes of the I Plan, and estimated cost of all these amounts to Rs.144.65 crores. The total irrigable area commited to the end of II Plan is 31.14 lakh acres, which is about 8.93 per cent of the culturable area of the State. In addition to these 25 Project, taken up during the I and II Plan period, 7 new schemes, 3 Major of which Upper Krishna Project is one, and 4 Medium Schemes have been included in III Plan. The estimated cost of these schemes included in the III Plan is Rs.111.41 crores. The total area commited to the end of III Plan is 41.54 lakh acres, which comes to about 11.91 % of culturable area. This figures when compared with the irrigation target of 24%, which is an All Indi

Target is only about half. This imbalance can be removed only by completing major schemes like Upper Krishna Project as early as possible.

7. Size of the IV Plan:

The total estimated cost of all the Plan Schemes taken up during III Plan excluding Upper Krishna Project is Rs.197.06 crores. Expenditure to end of March 1965 is Rs.87.44 crores on all the Plan schemes and the funds alloted during the final year of III Plan (1965-66) is only Rs.5.78 crores excluding UPper Krishna Project. Thus, the amount required to complete all the Plan Schemes except the Upper Krishna Project at the beginning of IV Five Year Plan is likely to be Rs.103.84 crores. Against this requirement a provision of Rs.85.69 crores only is provided in the proposed Rs.100 crores Plan for IV Plan. The provision for Upper Krishna Project in the III Five Year Plan is Rs.200 lakhs and the provision proposed in the draft IV Plan (Rs.100 crores) is Rs.5.00 crores. On account of the limited resources of the State it is not possible to divert adequate funds to all the Plan Schemes, so as to complete them within the target dates.

8. Phasing of Outlay and Foreign Exchange:

With additional Central Aid it is quite possible to complete phase I of the project by the end of IV Plan. Statements showing the yearwise programme of expenditure and yearwise development of irrigation potential are given vide Appendix I and II respectively.

As the Stage I of the Project is proposed to be completed within a limited number of years by the end of the IV Plan, quantities of work to be done in each year

will increase requiring additional machinery to cope up with the increased work. Consequently, the Foreign Exchange component will also increase. The total cost of machinery required is Rs.421.87 lakhs and machinery costing Rs.57.02 lakhs have already been procured. Hence, an amount of Rs.364.65 lakhs Foreign Exchange will have to be obtained within 3 years starting from 1965-66, major portion being procured during the first 2 years. The requirements are furnished in Appendix III.

8. <u>The need for financing the Upper Krishna Project outside the State Plan</u>:

From the foregoing it can be seen that at this rate it will not be possible to complete this Project Phase - I, for Rs.59.00 crores, even at the end of the V Plan in case additional Central Aid is not forth coming. The meagre amount spent on this Project at this rate becomes a dead capital without deriving any substantial benefits for the amount invested. The main purpose of taking up of Upper Krishna Project is to provide relief to famine stricken people of Gulbarga, Bijapur and Raichur Districts who are having no irrigational facilities at present, and improve their living standard. The increase in the food production under Phase-I also will be of the order of 2 lakhs tons per annum. Unless the Project is geared up to its full swing and completed before the end of IV Plan, the sole purpose of taking up this project will be defeated. Since the amount required for other Plan Schemes is far more than the provision proposed in the Fourth Plan, it will not be possible to divert substantial funds to Upper Krishna Project. Therefore, it is imperative to treat this separately and finacial assitance provided separately by the

p.t.o.

Centre, outside the purview of the Plan.

for Narayan 28.7.65

(I.M. Magdum)
Chief Engineer, PWD,
Irrigation Projects,
Bangalore-1.

27.7.65

A P P E N D I X I

Phasing of Outlay for Upper [illegible]rishna Project, Phase I, in the [illegible]rive Year Plan (1966-71)

Rs. in lakhs.

Sl. No.	Name of Scheme	Estimated cost	Actual Expenditure till 64-65	Proposed provision for 65-66	Total outlay to end of III plan	Carryover into IV plan.	Yearwise [illegible] of outlay 1966-67	1967[illegible]-69	1969-70	1970-71	Total outlay to end of IV Plan	Spillover to Vth plan.
1.	Upper [illegible]ishna Project Phase I.	5900.00	115.29	210.00 *	325.29	5574.71	775.00	1300[illegible].00	1300.00	899.71	5574.71	

*Budget provision for 65-66 is Rs.22.34 lakhs.

Chief Engineer, PWD.,
Irrigation Projects.
Bangalore-1.
27.7.65

APPENDIX II

Statement showing Potential and utilisation of Upper Krishna Proj[illegible]se I during IV Plan.

(Areas in thousand Acres and figures are cumulative)

Sl. No.	Name of scheme	Potential as per sanctioned scheme	Potential anticipated to end of		Utilisation anticipated to end of		Carryover of potential to IV plan.	Yea[illegible]	phasing of potential anticipated				REMARKS
			1964-65	1965-66	1964-65	65-66		1966-6[illegible]	7-68	1968-69	1969-70	1970-71	
1.	Upper Krishna Project Phase I,	600.000	-	-	-	-	600.000	70.000	[illegible].000	300.000	450.000	600.000	

[illegible]

Chief Engineer, PWD.,
Irrigation Projects,
Bangalore-1.

27.7.65

UPPER KRISHNA PROJECT - PHASE I - PLANNING ON

Sl.No.	Name of Equipment.	Total Machinary required. Nos.	Machinery so far procured		Balance to be procured	
			Nos.	Total cost	Nos.	Rate
1.	Scrapers 25 Cyd.	37	12 (14/18 Cyd)	24.00	25	3.0
2.	Crawler Tractor 300 DBHP with Dozer.	7	-	-	7	3.8
	-do- 200 DBHP	7	1	1.25	6	2.8
	(b)Rubber tyred tractor-100 HP	1	1	0.90	-	-
4.	Ripper for 300 HP Tractor	3	-	-	3	0.45
5.	Bottom Dumpers 22.5 Cyd.	14	2/17 Cyd	2.50	13	3.50
6.	Rear Dumpers 12.5 Cyd	18	12/7 " +4/13 "	15.00 + 4.96	8	2.00
7.	Shovels 4½ Cyd.	2	-	-	2	8.00
8.	Shovels 2½ Cyd.	4	1	4.95	3	5.00
9.	Sheep-foot Roller with Tractor of 150 HP	6	-	-	6	2.35
10.	Super compactor with Tractor of 200 DBHP	5	-	-	5	3.60
11.	Motor Graders 120 HP	3	2	3.00	1	1.50
12.	Base Workshop	-	-	-	-	5.00
13.	Mobile Workshop	—	—	—	—	—
14.	Drilling,Grouting and equipments.	—	—	—	—	—
15.	Gates and Gantry cranes.		—	—	—	-
16.	(a) Mobile Crane 20 Tons.	1	—	—	1	2.25
	(b) -do- 10 Tons.	1	—	—	1	1.35
17	Mobile Cranes 5 Tons.	3	1	0.46	2	0.90
18.	Trailor 50 Tons with tractor	1	-	—	1	3.00
19.	-do-20 Tons	2			2	0.60
20.	Spare parts.	—	—	—	—	—
				57.02		
						421.87

Ksd.27/7. 27.7.65

PROCUREMENT INVOLVING FOREIGN EXCHANGE.

(Rs.in Lakhs)

Amount.	Programme of Procurement 1965-66 Nos.	1965-66 Cost	1966-67 Nos.	1966-67 Cost.	1967-68 Nos.	1967-68 Cost.
95.00	12	45.6	11	41.8	2	7.6
26.60	3	11.40	3	11.40	1	3.8
16.80	4	11.20	2	5.60	-	-
-	-	-	-	-	-	-
1.35	2	0.90	1	0.45	-	-
45.5	-	-	7	24.50	6	21.0
16.00	4	8.00	4	8.00	-	-
16.00	-	-	1	8.00	1	8.00
15.00	1	5.00	2	10.00	-	-
14.10	3	7.05	3	7.05	-	-
18.00	2	7.20	2	7.20	1	3.6
1.50	1	1.50	-	-	-	-
5.00	-	3.00	-	2.00	-	-
2.00	-	2.00	-	-	-	-
17.50		5.00	-	12.50	-	-
15.00	-	-	-	-	-	15.00
2.25	1	2.25	-	-	-	-
1.35	1	1.35	-		-	-
1.80	2	1.80	-		-	-
3.00	1	3.00	-		-	-
1.20	2	1.20				
49.70	-	10.00		20.00	-	19.70
364.65 Lakhs.		127.45		158.50		78.7

Manager 28.7

for Chief Engineer, P.W.D.,
Irrigation Projects in Mysore,
Bangalore.

Appendix F. G.—1]

SUBJECT Financial Assistance to UPPER Krishna Project for Soil Conservation Works of Malaprabha Minor No. 4 Irrigation and Power Scheme PWD Circle

Diary No. of letter replied to.....

Section PWD.

File No. 5 GUK 65

Serial No.

Mysore Government Secretariat.

( )

the 196.

Date of issue.....

Signed by.....

N.

To The C.E. (WP) Belgaum.

Sir,

With reference to the correspondence resting with your letter no DSR/UKP/TADI/1965-66 dt. 28.7.65 on the subject cited, I am directed to request you kindly to intimate your views for the points indicated below on the same is required immediately.

1) A small note containing emphasising the urgent need of the project in view of the backwardness of the area, economically, and benefit of the project.

2) The Area benefitted Cropwise to be indicated with reference to financial outlay

List of enclosures.....

Copied by.....

Examined by.....

WD 012116—GPB—4,00,000—7-8-63

3) The need for quick execution to be stressed with reference to the physical benefits of the people of the area.

Y F.

D/S. PLDO(U).

10/6.7.6

सत्यमेव जयते

OFFICE OF THE CHIEF MINISTER BANGALORE No. 53 28 MAR 1966

GOVERNMENT OF [redacted]

No. M-898 1 APR 1966 PUBLIC WORKS & ELEC. DEPT.

March 24, 1966

Dear Shri Nijalingappa,

The Prime Minister has sent to me your letter CMI/61/66, dated 3rd March, 1966, regarding the Upper [illegible]na Irrigation Project. You have desired that this project should be undertaken by the Centre. Planning Commission has given careful consideration to the earlier suggestion that large irrigation projects should be financed by the Centre and kept outside the State Plans. Irrigation is a State subject. Also requirements of large irrigation projects vary considerably from State to State. In fact certain States have no irrigation schemes of a size which can be considered large. The programme of development in the Ayacut has to be coordinated with the construction programme of the project and this is best done by a single authority. Also the fixation of water rates, their assessment, and realisation can only be done by State Governments. These are amongst the several considerations which have led the Planning Commission to the conclusion that irrigation projects should continue to form part of State Plans.

OFFICE OF THE MINISTER FOR PUBLIC [illegible] P. 525 1 APR 1966 BANGALORE

Com 1091/66

You may be aware that this matter was also considered by the Committee of the National Development Council on Agriculture and Irrigation. The Committee expressed the view that earmarked central assistance should be provided for large irrigation projects which should, however, continue to form part of State Plans. Also interest charges on these loans should be capitalised for an agreed period of construction in order to relieve State Governments of the burden of interest during that period.

You will appreciate that it would be difficult to treat the Upper Krishna Irrigation Project differently from other large irrigation projects in the country.

Yours sincerely,

Asoka Mehta

Minister for P.W.

Shri S. Nijalingappa,
Chief Minister, Mysore,
BANGALORE.

BYGONE No. 1112 14 APR 1966 P.W.D. [illegible]

Pl obtain the Copy of CM's letter dated 3/3/1966 from CM's office and put up with P.C. if any

Copy of letter No. CM I 161/66 dated 3rd March 1966 of Shri S. Nijalingappa, Chief Minister of Mysore, Bangalore to Smt. Indira Gandhi, Prime Minister of India, New Delhi.

I am sure you will kindly remember that I spoke to you about the Upper Krishna Valley Irrigation Project to be undertaken in Bijapur District in Mysore State. I had also apprised you of the very poor economic condition of the average man in Mysore State being possibly the poorest among all the States. The per-centage of irrigation of cultivated area is only 8.8 now and that too as a result of the irrigation projects undertaken by the State during the last 10 years. The Upper Krishna Project is going to serve the most needy areas. I am sure you are also aware that Bijapur District and areas round about are scarcity areas sometimes bordering on famine. The erstwhile Bombay Government was spending lakhs and lakhs of ruppes during last about 80 years on these areas. Even now the same condition continues and it is as a result of the appreciation of the dire necessity of having a big irrigation project to exploit River Krishna and serve these people that this Upper Krishna Valley Irrigation Project has been undertaken. The total cost of the project is about Rs.120 crores.

2. The State Government has begun the work on this project. But I find that the financial resources of the State are inadequate to undertake such an irrigation project. But we have got to continue the work and see that the whole project is completed within 5 to 10 years. We can only do so if the Centre comes to our help in a big way. I have been pressing that the project should be undertaken by the Centre. I am not saying anything new. In Madras, the Centre has undertaken the Naively Power Scheme and they are going to undertake another Atomic Energy scheme which together cost about Rs.200 crores or near about that amount. Madras is getting the benefits without any inroads being made into their own resources. I am happy. Mysore, as I have already stated, being the poorest among the States, deserves such help from the Centre. I have a feeling that Mysore is taken for granted and it is thought that even if nothing is done it can go on. Our people are highly dis-satisfied and feel that their interests are being neglected. It will be very difficult for me and my colleagues to satisfy them. The time has arrived when the Centre has to come to our help in a big way atleast in this case. This big irrigation scheme is a must for the State.

3. You are very busy just now and I do not want to trouble you. But I have spoken about this project quite often with Dr.K.L.Rao who has an intimate knowledge of this project and who entirely sympathises with my view that the Centre should fully finance the scheme.

4. Kindly help us and see that this project is undertaken by the Centre. I will be seeing you next time I am in Delhi.

Dear Sri Asoka Mehta,

Kindly refer to your letter No.DCM/1305/60 dated 24-3-1965.

It has been explained in your letter that since Irrigation is a State subject and since construction of the dam and canals involves the question of Betterment Contribution and fixation of water rates etc., the execution and financing of irrigation projects should form part of State Plans. If the Planning Commission have already come to such conclusions, I appreciate your difficulty. But considering the limited resources of the State and the need for taking up such major irrigation projects in order to relieve the scarcity affected areas by affording irrigation facilities, and also the inadequate plan provisions for completing the scheme early it is very necessary this Scheme is financed fully from the Centre in the form of loan outside the Plan assistance to this State. It is learnt some Irrigation Projects in Andhra Pradesh and other States have been given financial assistance in the form of loan outside the Plan assistance.

Upper Krishna Project being situated in an arid zone, on early completion will bring larger area under irrigation and will definitely avoid the near famine conditions existing in the Bijapur and Gulbarga Districts of Mysore State. I therefore suggest that if this project cannot be included in the Central Plan Schemes, it should be possible to provide aid or loan facilities outside the State Plan provisions, to enable the State to speed up the work of Upper Krishna Project and complete it early.

A brief note on the importance of this project, its need and its phasing is enclosed for your kind information.

Kindly consider how best financial assistance can be given to Upper Krishna Project, I shall feel happy to

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discuss this matter with you when I come to Delhi next time.

Yours sincerely,

UPPER KRISHNA PROJECT.

STAGE-I:- The Upper Krishna Project Stage I envisages --

(a) Construction of Almatti Storage Dam with its Left Bank Canal (Partial) to irrigate 3.2 lakh acres (1.1 lakh acres in Bijapur, and 2.1 lakh acres in Gulbarga District).

(b) Construction of Storage Reservoir at Siddapur with Left Bank Canal to irrigate 2.8 lakh acres in Gulbarga District. This is first stage estimated to cost Rs.59 crores.

STAGE-II:- Stage II of the Project contemplates --

(a) Increasing F.R.L. of Almatti Reservoir by adding another tier of gates and completing Left Bank Canal which brings under command a further area of 2.3 lakh acres in Bijapur District.

(b) Increasing F.R.L. of Siddapur Reservoir by construction of crest gates and completing the Right Bank Canal in all respects to irrigate 3.7 lakh acres in Raichur District.

In Stage II of the Project the additional area that will be brought under irrigation will be 6 lakh acres. This is estimated to cost Rs.56 crores.

Thus the Stages I and II of the Project contemplate to irrigate 12 lakh acres in Bijapur, Gulbarga and Raichur Districts at an estimated cost of Rs.115 crores. Phase I of the Project was inaugurated by late Sri Lal Bahadur Shastri on 24-4-1964. Technical clearance of Planning Commission is accorded to Stage I amounting to Rs.59.0 crores in November 1963.

The main purpose of taking up of Upper Krishna Project is to provide relief to the famine stricken people of Gulbarga, Bijapur and Raichur Districts who have no irrigational facilities at present. The increase in the food production will be in the order of 120 lakh tonnes per annum on completion of the Stage I. Unless the project is brought into full swing and

....

completed before the end of ~~Fourth~~ Fifth Plan the sole purpose of taking up of this project will be defeated. Therefore it is imperative to treat this separately on a different footing and take up with special Central Assistance solely for this project.

The expenditure to end of December 1965 is Rs.157.08 lakhs and the budget provision for the year 1966-67 is Rs.20.00 lakhs.

Statement Showing the phasing of (Financial) Expenditure and creating Irrigation potential.

7

	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
EXPENDITURE (in crores)										
a. Siddapur Reservoir	1.00	2.00	2.50	2.50	3.00	Nil	-	-	-	-
b. Siddapur Canals.	0.50	1.00	2.50	3.00	3.00	Nil	-	-	-	-
c. Almatti Dam	1.00	2.00	2.00	2.00	2.00	2.00	3.00	Nil	-	-
d. Almatti Canals	0.50	1.00	2.00	2.00	2.00	3.00	4.00	4.00	4.00	1.00
TOTAL: Rs.	3.00	6.00	9.00	9.50	10.00	5.00	7.00	4.00	4.00	1.00
Area benefitted (cumulative) in acres. --	Nil	Nil	Nil	25,000	1,00,000	2,50,000	3,80,000	4,80,000	5,80,000	6,00,000

Draft Resolution

In the present context of country-wide food [redacted] age and to raise the irrigated area in Mysore State [redacted] the present level of 8.5 percentage to the All India Level of 24 percent, it is very necessary that the tempo of irrigation projects is accelerated. It is also to ensure further utilisation of river waters of Krishna and Cauvery to the extent of 250 TMCFt. and 45 TMCFt. respectively before the end of the V Five Year Plan. The Upper Krishna Project located in the upper reaches of the Krishna river in Mysore State is a gigantic project estimated to cost Rs.120/- crores to irrigate an area of 12 lakhs acres in the scarcity affected regions of the State and it is necessary that this project is completed. The schemes taken up already in the III Five Year Plan excluding Upper Krishna Project have a spill-over of about Rs.92/- crores in the IV Five Year Plan and as such it will not be possible for the State with all its resources to take up the scheme and satisfy the needs and aspirations of the people in the northern regions in the State.

Superceded
7/7/66

The House, therefore, resolve to recommend that this gigantic project be taken up entirely as a Centrally aided project out of State Plan and completed within a period of 7 to 8 years.

In the present context of country-wide food shortage and the need to raise the irrigated area in Mysore State from the present level of 8.5 % to the All India level of 24 %, to meet the internal food deficit, it is necessary that the tempo of Irrigation Projects is accelerated. The Projects already taken up in the Krishna and Cauvery Valleys upto end of the III Five Year Plan excluding Krishna Project, have a spill-over of Rs. 95 Crores and as such, it will not be possible for the State with all its resources to finance the Upper Krishna Project from the State resources in the near future.

The Meeting, therefore, resolve to recommend that this gigantic Upper Krishna Project costing Rs. 120 Crores to irrigate 12.00 lacs acres in the scarcity regions of the State be taken up as an entirely Central Aided Project outside the State Plan and completed within a period of 7 - 8 years.

As finalised
5/11/66

1. Size of the IV plan according to the proposals sent to the Government of India.	500 crores	
2. Allocation for irrigation.	80 crores	
3. The cost of the works carried over to the IV plan.	167.35 crores.	
4(a) The amount required for completion of the medium projects started during the		
(i) previous plan periods	14.12 crores	
(ii) proposed during the IVth plan.	28.13 crores.	
(b) The amount provided in the IVth plan for the Medium projects started during the		
(i) previous plan periods	12.12 crores	- (except Kambadakada all medium projects takenup during 1st, 2nd, and 3rd will be completed during 4th plan).
(ii) proposed during the IVth plan.	10.00 crores.	
(c) The Major projects started during the I, II and III plans which have reached a stage of near completion and comparatively smaller expenditure on them would bring in greater results.	(i) Tungabhadra project. 6.4 crores.	
	(ii) Ghataprabha 1st stage. 0.05 crores	
	(iii) Bhadra 1st stage 5.75 crores	
	(iv) H.L.C. 1st stage. 2.4 crores.	
	14.6 crores	
5. Climatic and physical conditions of the areas which will be benefitted by Upper Krishna Project.	Vide items 2,3,4, and 5 of the note at pages 20-22 of the File No.PWD. 5 GUK 65 placed below.	

(P.T.O.)

STATEMENT-A. Indicates the Major projects taken up during the 1st, 2nd, 3rd Five year plan with estimated cost, expenditure incurred to end of 2/66 and the balance required for completion.

STATEMENT-B. Indicates the medium projects. It may be seen from the statement that all the medium projects taken up during first plan are physically completed even though they are carried over to the 4th plan requiring smaller outlay for completion.

Out of 11 medium projects taken up during the second plan (5) projects are physically completed and the remaining are under various stages of execution. Regarding 6 medium projects taken up during the 3rd plan very little work has been done and practically most of the work has to be done during the 4th plan period.

STATEMENT-C. Indicates the medium projects proposed to be taken up during the 4th plan period, the estimated cost of which is 28.68 crores. The amount provided in the 4th plan is 10.50 crores as per statement.

STATEMENT 'A'

		Major Projects	Estimated cost	Expenditure to end of 3/66.	Balance required to complete
I. PLAN	1.	TBP Left Bank	3552.00	2918.34	633.66
	2.	TBP Right Bank	145.00	138.00	6.34
	3.	Ghataprabha I	574.00	569.13	4.87
	4.	Bhadra	3193.00	2619.00	574.00
			7464.00	6245.13	1218.87
II. PLAN	5.	Ghataprabha II	2468.00	584.80	1883.20
	6.	TBP, H.L.C. I	440.00	198.66	241.34
	7.	Kabini	1704.00	194.24	1509.76
			4612.00	977.70	3634.30
III. PLAN.	8.	Harangi	1100.00	1.19	1098.81
	9.	Malaprabha	2000.00	186.58	1813.42
	10.	Upper Krishna Project.	5900.00	162.80	5737.20
	11.	Hemavathy	1630.00	3.80	1626.20
	12.	K.R.S.	300.00	125.49	174.51
			10930.00	479.86	10450.14
IV. PLAN.	13.	TBP. H.L.C. Stage II.	230.00		
	14.	Bhima	1050.00		
	15.	Ghataprabha III	2000.00		
	16.	Upper Tungabhadra	3000.00		
	17.	Tunga Reservoir	3000.00		
			9280.00		

STATEMENT 'B'

Medium Projects.

		Est. Cost	Expenditure	Balance	
I Plan	1. R.D.S.	240.17	312.55	Nil	Physically complete
	2. Ramanhalli tank.	40.80	39.25	1.55	-do-
	3. Areshankar	21.67	20.90	0.77	-do-
	4. Kalascope	19.79	17.37	2.42	-do-
	5. Kolchi Weir	42.95	37.19	5.76	-do-
	6. Tunga Anicut	296.86	279.98	16.88	-do-
	7. Nugu	311.14	306.95	4.19	-do-
	8. Ambligola	111.70	109.79	1.91	-do-
		1085.08	1123.98 72.38 1051.60	33.48	
II Plan	9. H.B.Halli	230.00	34.16	195.84	
	10. Jambadahalla	115.00	59.51	55.49	
	11. Dharma	137.62	111.17	26.45	Physically complete
	12. Hathikoni	57.84	38.64	19.20	
	13. Hebbahalla	58.00	41.33	16.67	Physically completed
	14. L.T.Thirtha	161.61	10.64	150.97	
	15. Mangala	47.50	23.60	23.90	
	16. Kanakanala	76.43	68.98	7.45	Physically completed
	17. Nagathana	15.85	12.17	3.68	-do-
	18. Arkavathy	85.00	NIL	85.00	
	19. Chickhole	89.75	76.53	13.22	nearing completion.
		1074.60	476.73	597.87	
III Plan	20. Bijjur	126.00	1.17	124.83	Not yet taken up
	21. Harinala	195.00	6.36	188.64	-do-
	22. Chandrampally	99.84	4.25	95.59	Just started
	23. Survarnavathy	187.00	0.03	186.97	Not yet taken up
	24. Chitwadgi	36.02	0.61	35.41	-do-
	25. Kambadakada	190.00	-	190.00	-do-
		833.86	12.42	821.44	

STATEMENT 'C'

	Estimate Cost	Amount provided in IV Plan
1. Balakundi	32.33	
2. Karanja	526.00	
3. Hirenala	33.20	
4. Maskinala	55.00	
5. Yagachi (V.U.Sagar)	500.00	
6. Gundel	170.00	
7. Konalli	24.48	
8. Settinala	67.00	
9. Bolere	19.16	
~~10. [illegible]~~	~~[illegible]~~	
10. Haladi	262.00	
~~11. 12. [illegible]~~ Hulikere	33.25	
~~13. [illegible]~~	~~[illegible]~~	1050.00
12. ~~14.~~ Amarja	158.00	
13. ~~15.~~ Ranikere Feeder	99.00	
14. ~~16.~~ Durgadahalla	41.50	
15. ~~17.~~ Dandavathi	115.00	
16. ~~18.~~ Sagardoddakere	30.32	
17. ~~19.~~ Dharmapur feeder	106.00	
18. ~~20.~~ Hebbahalla Anicut	31.37	
19. ~~21.~~ Madag-Madur	170.00	
20. ~~22.~~ Uduthoraihalla	128.00	
21. ~~23.~~ Utharapinakini	44.20	
22. ~~24.~~ Heinole	32.70	
23. ~~25.~~ Yagachi	200.00	
	~~[illegible]~~	
	2868.51	

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MYSORE LEGISLATURE

LEGISLATURE SECRETARIAT
VIDHANA SOUDHA
P. B. No. 74.

No. 562 /L.A.(E.C.)

Encls. Nil

Bangalore-1, dated. 21/4/1966

FROM

THE SECRETARY,
MYSORE LEGISLATURE.

The Minister for Public Works
Government of Mysore,
B a n g a l o r e - 1.

SIR,

Sub:- Resolution relating to UPPER KRISHNA PROJECT.

As required by rule 145 of the Rules of Procedure and Conduct of Business in the Mysore Legislative Assembly, I forward herewith a copy of the Resolution adopted by the Legislative Assembly on the 7th April, 1966 relating to the above subject.

Yours faithfully;

(K. S. THIMMAPPA GOWDA)
Deputy Secretary,
Mysore Legislature.

SECRETARY TO GOVERNMENT
No. M 937
Date 25 APR 1966
PUBLIC WORKS & ELEC. DEPT.

This House urges upon the Government to persuade the Government of India to take up the Upper Krishna Project estimated to cost Rs. 120/- crores which will irrigate nearly 14 lakhs of acres of land in the dry regions of the State as a Centrally Aided Project outside the State Plan and to complete it with the utmost expedition.

thereby raising the present low percentage of irrigated area in the State which is adversely affecting the economy of the people

as a big step towards adequately harnessing the un-utilised irrigation potential of the State which is blessed with a bounteous watershed

and to enable the people to increase farm production and overcome the present shortage of food.

Secretary,
Mysore Legislature.

" COPY "

Sub:-Speedy execution of Upper Krishna Project - Central Assistance.

To

The Secretary,
Union Ministry of Irrigation & Power,
NEW DELHI.

Sir,

P.2.J CP

I am directed to ~~kindly~~ refer to the letter No.CMI.161/66 dated 3-3-66 from the Chief Minister, Mysore State, to the Prime Minister of India, copy enclosed for ready reference.

In the recent session of the legislature a resolution (copy enclosed) was moved and passed urging that the Central Govt. should be requested to take up this Project as a Centrally Aided ~~project~~ outside the State Plan ~~and~~ so as to complete it with utmost ~~xpx~~ expedition. I am therefore to request you kindly to ~~xxx~~ place the matter before the Govt. of India as recommended by the State Legislature and communicate orders.

Yours faithfully,

SECRETARY TO GOVERNMENT,
P.W.&E.DEPARTMENT.

RESOLUTION RELATING TO UPPERKRISHNA PROJECT.

This House urges upon the Government to persuade the Government of India to take up the Upperkrishna project estimated to cost Rs. 120/-crores which will irrigate nearly 14/-Lakhs acres of land in the dry regions of the State as a Centrally Aided Project outside the State Plan and to complete it with the utmost expeditionm.

Thereby raising the present low percentage of irrigated area in the state which is adversely affecting the economy of the people.

As a big step towards adequately harnessing the unutilised irrigation potential of the state which is blessed with a bounteous watershed.

And to enable the people to increase farm production and overcome the present shortage of food.

COPY

GOVERNMENT OF MYSORE

No. PWD.9.GUK.66.

Mysore Government Secretariat,
VIDHANA SOUDHA.

Dated, Bangalore, 20 May, 1966.

FROM

Secretary to the Government of Mysore,
Public Works & Electricity Department,
B A N G A L O R E.

To

The Secretary to the Government of India,
Ministry of Irrigation and Power,
N E W D E L H I.

Sir,

Sub:- Speedy execution of Upper Krishna Project - Central Assistance.

I am directed to refer to the letter No.CMI.161/66 dated 3-3-1966 from the Chief Minister, Mysore State, to the Prime Minister of India, copy enclosed for ready reference.

In the recent session of the Legislature a resolution (copy enclosed) was moved and passed urging that the Central Government should be requested to take up this Project as a Centrally Aided Project outside the State Plan so as to complete it with utmost expedition. I am therefore to request you kindly to place the matter before the Government of India as recommended by the State Legislature and communicate orders.

Yours faithfully,

Chandappa

(Chandappa Patel)
Secretary to Government,
Public Works and Electricity Dept

GOVERNMENT OF MYSORE

No.PWD 9GUK66.

Mysore Government Secretariat
Vidhana Soudha,
Bangalore, Dated 196

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From :

The Secretary to the Government of Mysore,
Public Works Department.

To

Dy S·E·S· Ministry of Irrig & Power.
The ~~Chief Engineer, I.P/Cl~~, ~~Mysore~~ New Delhi
~~Investigation, Bangalore~~.

Sir,

Sub:- As at page 181- CF.

I am directed to invite a reference to the Government letter/ ~~Memo~~ of even number dated 20th May 1966. ~~the subsequent reminders~~ of even number dated and your letter No. ~~dated~~ on the above subject and to request you kindly to expedite your reply in the matter ~~is urgent/long pending~~.

Yours faithfully,

for Secretary to Government PWD
(Irrigation).

gnps·271065.

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PWD 9 GUK 66.

20th June 66

P.W & E.Deptt.

The Secretary to the Govt.of India,
Ministry of Irrigation & Power,
NEW DELHI.

Sir,

Sub:-Speedy execution of Upper Krishna Project-
Central Assistance.

I am directed to invite a reference to the Government letter of even No. dated 20-5-66 on the above subject and to request you kindly to expedite your reply in the matter.

Yours faithfully,

(S.K.Mohan)
Under Secretary to Government,
Public Works & Electricity Deptt.
(Technical)

VKR.

N. Lakshman Rau, IAS.
Special Commissioner,
Mysore.

'Mysore House,'
Kautilya Marg, Chanakyapuri,
New Delhi,

D. O. No. Agt. 36/22/66 *Dated* 27-6-1966.

My dear Chandappa Patel,

You might perhaps recall the Memorandum relating to Upper Krishna Project which you had drafted in April, 1966 at Delhi as requested by the Members of Parliament. The Memorandum has been submitted to the Prime Minister. Today, I was discussing this question with Shri Magdum. He said that in this connection there is also the unanimous resolution passed during the last Session in the Assembly. I shall be grateful if a copy of this resolution as also copies of the relevant proceedings are sent to me so that arrangements could be made for taking up the question in the Parliament also on similar lines. An early reply will be appreciated.

With regards,

Yours sincerely,

(N. Lakshman Rau)

Shri Chandappa Patel, IAS.,
Secretary to Govt. of Mysore,
P.W.D.,
Vidhana Soudha,
Bangalore.

MYSORE No. 2307 1 JUL 1966 P. W. D. RECEIPT & ISSUE

SECRETARY TO GOVERNMENT D.O.C. 1097 30 JUN 1966 PUBLIC WORKS & ELEC. DEPT.

Central Financial Assistance
Upper Krishna Project.

PWD 9 GUK 66

To The Spl. Commnr. to Mysore
NEW DELHI.
Mysore House, Kautilya Marg. Chanakya
Puri. New Delhi.

Sir,

With reference to your DO. No. AGT/36/22/66 dt 27-6-66. on the subject. I am directed to forward as desired by you a copy of the Resolution passed by Mysore Legislature regarding Upper Krishna Project ~~desired by you~~. I may also state that this resolution was already sent by the Govt. of India in the Ministry of IRP, vide our letter No. PWD 9 GUK 66 dated 20-5-66.

Yours

Please type copy & C/F.

UIS PWD (Tech)

[redacted] Patel

53

D.O.No.PWD 9 UUK 66. 5th July, 7

Dear Shri Lakshman Rau,

Please refer to your D.O. letter No. Agt. 36/1220/66 dated 27th June 1966 regarding Central Financial Assistance to Upper Krishna Project.

I am enclosing a copy of the State Government's letter No. PWD 9 UUK 66 dated 20th May 1966 together with a copy of the Resolution passed in the Legislative Assembly in its session held last.

I do not have the copies of the Assembly proceedings. If you feel that they are necessary for processing the case please let me know. I will obtain the same from the Legislature Secretariat and send to you.

With kind regards,

Yours sincerely,

ISSUED 9.12.66

Shri N.Lakshman Rau,
Special Commissioner,
'Mysore House'
Kautilya Marg, Chanakyapuri,
New Delhi.

pl 'see that all copies are enclosed

(COPY)

VEERENDRA PATIL
Minister for Public Works.

Camp: New Delhi
August 31,1966

My dear

As you are aware the Chief Minister of Mysore has already requested the Centre to take over the financing of Upper Krishna Project. It would perhaps take some time for the Centre to take a final decision in this matter.

Pending this I request that the Centre may kindly consider to release a sum of Rs. 3 crores for expediting the works on the Upper Krishna Project, progress of which is greatly impeded by shortage of funds. You would kindly recall that the Govt., of Mysore have already made all necessary arrangements for going ahead in full steam on this project and necessary approach roads, camps. etc. have been built and also excavations of foundations have commenced. We can take full advantage of the coming working season if an additional sum of Rs. 3 crores is given to us outside the State Plan ceiling for the year 1966-67.

I shall be grateful for an early decision in this matter

With best regards,

Yours sincerely,

Sd/-

(Veerendra Patil)

Dr.K.L.Rao,
Union Minister of State
for Irrign. & Power,
New Delhi.

rm/

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Dear Shri

You may kindly recollect that I spoke to you about financing the Upper Krishna Irrigation project to be financed from by the Govt. of India outside the State Plan. The State Govt. has begun the have made a beginning work on this project, But the financial resources of the State are being inadequate to undertake adequately finance such big irrigation project, But the work is of such an very important nature as it serves the drought stricken areas of Bijapur, Raichur and Gulbarga Districts. I have often been pressing that projects of this magnitude should be financed from the Govt. of India in consideration of the National Interests, Since it would not be possible for any individual State to finance such big schemes. This scheme as such is of a very important nature and is a must for this State, in view of the scarcity conditions prevailing often in that area. Necessary preliminary arrangements have already been made for this project and for want of finances the work is slow, Hence I request you to take early decisions in the matter of financing this project from the Centre outside the State plan ceiling. With a view of expediting the progress on this project a sum of Rs.3 crores may be allotted for this project, pending decision on the issue of financing of big projects as National schemes.

(Superseded)

Yours sincerely,

To

(C.M.)

1.The Union Minister
for Irrigation & Power,
New Delhi.

2.The Union Minister
for Finance,
NEW DELHI.

Dear Shri

As you are aware the Government of Mysore have undertaken the construction of the Upper Krishna Irrigation Project which will irrigate an area of 12 lakh acres in the arid region of the Districts of Bijapur, Gulbarga and Raichur where the scarcity conditions prevail year after year. But due to paucity of funds, it has not been possible for the State Government to provide adequate funds so as to step up the progress in the construction of the Project. You would remember I had a discussion with you about this imporant question and suggested that the Government of India should assist the State Government in the speedy implimentation of this Project by way of financial assistance outside the State Plan.

Dear Shri

You may kindly recollect that I spoke to you about the financing the Upper Krishna Irrigation Project by the Government of India outside the State Plan. A beginning has been made on this project already. The progress is slowed down due to paucity of funds.

I need not impress on you that this project is very vital to the interests of the State and the nation at large as it will serve the irrigation needs in dry belt to the extent of 12 lakh acres in the districts of Bijapur, Raichur and Gulbarga suffering from chronic scarcity conditions.

2. I have been pressing that projects of this magnitude should be financed from the Government of India in the overall national interest as it will not be possible for any individual state to finance such big schemes. This scheme is a must for the State to ameliorate the sufferings of the people in the scarcity affected areas ~~of the State~~.

3. I therefore request you to take an early favourable decision of financing this project by the Centre outside the plan. In the meanwhile I request you to kindly allot a sum of Rs.3 crores for this project during the current year so as to enable the State Government to expedite the progress pending decision of either financing of this project by the Centre outside the Plan or taking up by the Centre as a National Scheme.

Yours sincerely,

(Chief Minister)

D.T.O.

1. The Union Minister for Irrigation and Power
   New Delhi.

2. The Union Minister for Finance,
   New Delhi.

Draft.

D.O.No.P

Dear Shri

As you are aware the Govt. of Mysore have undertaken the construction of the Upper Krishna Irrigation Project which will irrigate an area of about 14 lakh acres in the arid region of the Districts of Bijapur, Gulbarga and Raichur where the scarcity conditions prevail year after year. But due to paucity of funds, it has not been possible for the State Govt. to provide adequate funds so as to step up the progress in the construction of the Project. You would remember I had a discussion with you about this important question and suggested that the Govt. of India should assist the State Govt. in the speedy implementation of this Project by way of financial assistance outside the State Plan.

I have been pressing that Projects of this magnitude should be financed from the Govt. of India in the overall national interest as it will not be possible for any individual State to finance such big Schemes. This Scheme is a must for the State to ameliorate the sufferings of the people in the scarcity affected areas and to remove permanently the deficit from the State in food

I therefore request you to take an early favourable decision of financing this Project by the Centre outside the Plan. In the meanwhile, I request you to kindly allot a sum of Rs.3 crores for this Project during the current year so as to enable the State Govt. to expedite the progress pending decision of either financing of this Project by the Centre outside the Plan or taking up by the Centre as a National Scheme.

Yours sincerely,

(Chief Minister)

1. The Union Minister for Irrigation & Power, New Delhi.
2. The Union Minister for Finance, New Delhi.

What I am requesting is very small considering the area it is going to irrigate and the commands the Central Govt. should be given to such schemes.

S. Nijalingappa
Chief Minister

BANGALORE-1,

25th September 1956

Dear Mr. Chaudhuri,

As you are aware the Government of Mysore have undertaken the construction of the Upper Krishna Irrigation Project which will irrigate an area of about 14 lakh acres in the arid region of the districts of Bijapur, Gulbarga and Raichur where the scarcity conditions prevail year after year. But due to paucity of funds, it has not been possible for the State Government to provide adequate funds so as to step up the progress in the construction of the Project. You would remember I had a discussion with you about this important question and suggested that the Government of India should assist the State Government in the speedy implementation of this Project by way of financial assistance outside the State Plan.

I have been pressing that Projects of this magnitude should be financed from the Government of India in the overall national interest as it will not be possible for any individual State to finance such big schemes. This Scheme is a must for the State to ameliorate the sufferings of the people in the scarcity affected area and to remove permanently the deficit of this State in food.

I therefore request you to take an early favourable decision of financing this Project by the Centre outside the Plan. In the meanwhile, I request you to kindly allot a sum of Rs.3 crores for this Project during the current year so as to enable the State Government to expedite the Progress pending decision of either financing of this Project by the Centre outside the Plan or taking up by the Centre as a National Scheme. What I am requesting is very small considering the area, its frequent famines and of the assurances of the Central and State Governments that priority shall be given to such schemes.

Yours sincerely,

(S.Nijalingappa)

Shri Sachindra Chaudhuri,
Union Minister for Finance,
NEW DELHI.

Nr

S. Nijalingappa
Chief Minister

BANGALORE-1,

25th September 66

By Dear Fakruddin Sahib,

As you are aware the Government of Mysore have undertaken the construction of the Upper Krishna Irrigation Project which will irrigate an area of about 14 lakh acres in the arid region of the districts of Bijapur, Gulbarga and Raichur where the scarcity conditions prevail year after year. But due to paucity of funds, it has not been possible for the State Government to provide adequate funds so as to step up the progress in the construction of the Project. You would remember I had a discussion with you about this important question and suggested xx that the Government of India should assist the State Government in the speedy implementation of this Project by way of financial assistance outside the State Plan.

I have been pressing that Projects of this magnitude should be financed from the Government of India in the overall national interest as it will not be possible for any individual State to finance such big schemes. This scheme is a must for the State to ameliorate the sufferings of the people in the scarcity affected areas and to remove permanently the deficit of this State in food.

I therefore request you to take an early favourable decision of financing this Projedt by the Centre outside the Plan. In the meanwhile, I request you to kindly allot a sum of Rs.3 crores for this Project during the current year so as to enable the State Government to expedite the progress pending decision of either financing of this project by the Centre outside the Plan or taking up by the Centre as a National Scheme. What I am requesting is very small considering the area, its frequent famines and ofthe assurances of the Central and State Governments that priority shall be given to such schemes.

Yours sincerely,

(S.Nijalingappa)

Shri F.A.Ahmed,
Union Minister for Irrigation
and Power,
NEW DELHI.

Nr

DRAFT:-

Madam,

Would you kindly recall that many a time whenever I visited Delhi I have been expressing to you the need for the Central Assistance to push through some of the very big projects of this State such as Upper Krishna etc. I am very particular with regard to Upper Krishna Project since it is one of the vital project to the State. This project is going to provide irrigati facilities to a region of the state, which is always in the clutches of famine and near famine conditions. The lands are fertile, people are known to the art of cultivation. They are only clamouring for water supply to feed their thirsty lands. More than 70% of the population depends on cultivation. Due to constant drought conditions they are on the verge of penury.

The Upper Krishna Project has been formulated with a view to bring relief to these people who are agitating for a long time The project envisages construction of a Dam in two stages to irrigate about 14/Lakhs of fertile lands and involves a cost of Rs. 59/Crores in the first stage. The project report has been sent to Government of India whose Technical Clearance is awaited. The main problem faced by us is the financial stringency which is confronting the state and it has not been possible to take up scheme costing very huge expendit re.

While we cannot dispense with the necessity of taking up the scheme, all the same we have to face the bottle-neck of stringent finances.

I personally feel that it is most crucial time that we have to satisfy the poverty stricken people of the aforesaid region ie Bijapur, Raichur, and Gulberga. In addition to this the project is going to step up the food production of the country.

In this connection I have written letters to your Cabinet Colleague Sri Fakruddin Ahmed, Union Minister for Irrigation and Power and Sachhindra Choudhry, Union Minister for Finance to see that some thing is done to give financial assistance to this state. (Copy of the letters addressed to the above Minist is enclosed for reference)

I should feel grateful if you would kindly look into the matter and use your good offices to see that necessary funds for the execution of the Scheme are made available.

Yours

Smt Indira Gandhi
Prime Minister of India

SUB:-Speedy execution of Upper Krishna Project - Central Assistance.

5Jun65.

Dear Prime Minister.

As you are aware the Govt. of Mysore have undertaken the construction of the Upper Krishna project which will irrigate an area of about 14 lakh acres in the arid regions of the Districts of Bijapur, Gulbarga and Raichur where scarcity conditions prevail year after year. Due to paucity of funds it has not been possible for the State Govt. to provide adequate funds so as to step up the progress with regard to the construction of this project.

I have been urging during my discussion at the various conferences and committees that projects of this magnitude should be financed from the Govt. of India in the over all national interest as it will not be possible for any individual state to finance such big schemes. The cost of this project in the first stage which provides for irrigation to about 6 lakh acres is estimated to cost Rs.59 crores. The lands in the region that are served by this project are fertile and people are good agriculturists and can increase their production if assured water supply by way of irrigation is provided to their lands. This scheme is a must for the State and will ameliorate sufferings of the people in this region which is generally affected by scarcity, and the implementation of this project will remove permanently the food deficit of this State. I am, therefore, requesting you to take an early and favourable decision

to finance this project by the centre outside the plan. In the meanwhile I request you to kindly allot a sum of Rs.3/- crores for this project during the current year so as to enable the State Government, to expedite the progress on this project pending decision of either financing of this project by the Centre outside the plan or taking up of the same by the Centre as a National Project. What I am requesting is very small considering the area, its frequent famine and the assurances of the Central and the State Govts, that priority shall be given to such schemes.

I have also written a letter on the above lines to your Cabinet colleague Sri Fakruddin Ali Ahmed, Union Minister for Irrigation and Sri Sachin Choudhri, Union Minister for Finance, Considering the crucial times through which we are passing and the necessity to satisfy the needs of the poverty stricken people of this area served by this Project, I request you once again to take an early and favourable decision in this matter.

Yours sincerely,

(C.M.)

To

Prime Minister of India,
New Delhi.

S. Nijalingappa
Chief Minister

GOVERNMENT OF MYSORE

For I 804/16 62

'VIDHANA SOUDHA'
BANGALORE-1,

Dated 11th October 196 6

My dear Prime Minister,

Sub:- Speedy execution of Upper Krishna Project - Central Assistance.

As you are aware the Govt. of Mysore have undertaken the construction of the Upper Krishna project which will irrigate an area of about 14 lakhs acres in the arid regions of the Districts of Bijapur, Gulbarga and Raichur where scarcity conditions prevail year after year. Due to paucity of funds it has not been possible for the State Government to provide adequate funds so as to step up the progress with regard to the construction of this project.

I have been urging during my discussion at the various conferences and committees that projects of this magnitude should be financed from the Government of India in the over all national interest as it will not be possible for any individual state to finance such big schemes. The cost of this project in the first stage which provides for irrigation to about 6 lakh acres is estimated to cost Rs.59 crores. The lands in the region that are served by this project are fertile and people are good agriculturists and can increase their production if assured water supply by way of irrigation is provided to their lands. This scheme is a must for the State and will ameliorate sufferings of the people in this region which is generally affected by scarcity. The implementation of this project will remove permanently the food deficit of this State. I am, therefore, requesting you to take an early and favourable decision to finance this project by the centre outside the plan. In the meanwhile I request you to kindly allot a sum of Rs.3 crores for this project during the current year so as to enable the State Government, to expedite the progress on this project pending decision of either financing of this project by the Centre outside the plan or taking up of the same by the Centre as a National Project. What I am requesting is very small considering the area, its frequent famine and the assurances of the Central and the State Governments that priority shall be given to such schemes.

I have also written a letter on the above lines to your Cabinet colleague Shri FakruddinAli Ahmed, Union Minister for Irrigation and Sri Sachin dra Choudhuri, Union Minister for Finance. Considering the crucial times through which we are passing and the necessity to satisfy the needs of the poverty stricken people of this area served by this Project, I request you once again to take an early and favourable decision in .... matter. I have personally spoken to you about this much needed help when I saw you on 9th evening along with Finance Minister Sri Hegde,

Kindest regards,

Yours sincerely,

Sd/-

(S. Nijalingappa)

Smt. Indhira Gandhi,
Prime Minister, India,
New Delhi.

OT.

64

No.Agt.277/ 1576 /66
Government of Mysore
Office of the Special Commissioner

'MYSOREHOUSE'
Kautilyamarg,
Chanakyapuri,
New Delhi-21.

Dt. 22.9.1966

From

The Special Commissioner,
Mysore, New Delhi.

SECRETARY TO GOVERNMENT
No. 1362
24 SEP 1966
PUBLIC WORKS & ELEC. DEPTT.

To

Shri K.S.S. Murthy,
Deputy Secretary to
Government of India,
Ministry of Irrigation & Power,
New Delhi.

Subject:- Financial assistance to Irrigation Projects in Mysore State.

Sir,

I invite your attention to Chief Minister, Mysore's letter No. CMI 354/66 dated 26.4.1966 and this office reminder No. Agt.277/1395/66 dated 27.7.1966 on the above subject and request that if no objection the present position of the case may kindly be intimated.

Yours faithfully,

(P.N. KHANNA)
for Special Commissioner,Mysore
New Delhi.

Copy to Shri Chandappa Patel, IAS, Secretary to Government of Mysore P.W.Department, Vidhana Soudha, Bangalore.

(P.N. KHANNA)
for Special Commissioner,Mysore
New Delhi.

The Main file PWD 9 GUK 66 has been returned to J.D. Law on 15/9/66. Reply may be awaited

VEERENDRA PATIL

(Camp) New Delhi,
August 31, 1966.

My dear

As you are aware the Chief Minister of Mysore has already requested the Centre to take over the financing of Upper Krishna Project. It would perhaps take some time for the Centre to take a final decision in this matter.

Pending this I request that the Centre may kindly consider to release a sum of Rs.3 crores for expediting the works on the Upper Krishna Project, progress of which is greatly impeded by shortage of funds. You would kindly recall that the Government of Mysore have already made all necessary arrangements for going ahead in full steam on this project and necessary approach roads, camps etc. have been built and also excavations of foundations have commenced. We can take full advantage of the coming working season if an additional sum of Rs.3 crores is given to us outside the State Plan ceiling for the year 1966-67.

I shall be grateful for an early decision in this matter.

With best regards,

Yours sincerely,

(Veerendra Patil)

Dr. K.L. Rao,
Union Minister of State for I. & P.,
NEW DELHI.

66.

V.B. ESWARAN,
Director

प्रधान मंत्री सचिवालय
नई दिल्ली-११
PRIME MINISTER'S SECRETARIAT
NEW DELHI-11.

No.PMS-22099

October 18, 1966

Dear Private Secretary,

This is to acknowledge your Chief Minister's letter No.CMI.804/66 dated 11th October, 1966 addressed to the Prime Minister, regarding the Upper Krishna Project. The matter is receiving attention.

Yours sincerely,

(V.B. ESWARAN)

Private Secretary to
the Chief Minister of Mysore,
'Vidhana Soudha',
BANGALORE-1.

804/66

3596

प्रधान मंत्री भवन
PRIME MINISTER'S HOUSE
NEW DELHI

No.1653-PMO/66.

November 21, 1966

PWD 1225/1/Misc/66

Dear Shri Nijalingappa,

Your letter of the 11th October 1966 regarding Central assistance of Rs. 3 crores during this year for the Upper Krishna Project. However desirable the early completion of the Project may be, we have also to keep in mind the present stringent resources position. Available resources have to be used first for completing major and medium irrigation projects which are at a much more advanced stage. I am told that Mysore has many such projects. It may not be possible to find more funds for the Upper Krishna Project at the moment. However, I am asking the Minister of Irrigation and Power to review the position from time to time.

With good wishes,

Yours sincerely,

Indira Gandhi

(Indira Gandhi)

Shri S. Nijalingappa,
Chief Minister of Mysore,
Bangalore.

SECRETARY TO GOVERNMENT
No. M.2784
Date 1-DEC 1966
PUBLIC WORKS & EL. D. DEPT.

News Item from HINDU dated 21.1.1967.

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xx xx xx

CENTRE GIVES RS.4 CRORES TO NAGARJUNASAGAR

New Delhi,Jan.20. The Union Ministry of Irrigation & Power has agreed to afford further financial assistance of Rs.4 crores to the Govt. of Andhra Pradesh for expenditure on the Nagarjunasagar project during 1966-67, according to an official Press release.

On this a sum of Rs. one crore was released today.

The earmarked amounts are in the form of 30-year loan assistance, carrying interest from the date of the commencement of such loans. They are repayable with interest in 20 annual equated instalments commencing from the eleventh year. Interest, however, will be payable annually during the first 10 years also.

The latest loan will carry interest at 5.75 per cent per annum.

It was stated that the Andhra Govt. would be levying betterment fees in the areas benefited by Nagarjunasagar project. The income so derived would be utilised for payment of interest charges and also principal, as far as possible. (PTI)

xx xx xx

Draft.

D.O.NO.PMR

Dear Prime Minister,

Sub:- Speedy execution of Upper Krishna Project - Central Assistance.

Kindly refer your letter No.1653-PMO/66 dated 21st November 1966.

It has been mentioned by you that the Mysore is at present to complete at first the number of Major and Medium Irrigation Projects which are at an advanced stage of construction. It is true that the Mysore State has at present a number of Major and Medium Irrigation Projects taken up during the previous Plan period which are still to be completed. In the Draft 4th Five Year Plan an attempt has been made to complete almost all the Major and Medium Irrigation Schemes taken up during the first and second plan periods. As you are aware the execution of Irrigation Projects and an early completion of such Schemes alone can ensure our country to attain self-sufficiency in our food requirements. The Upper-Krishna Project proposes to irrigate 12 lakh acres in Bijapur and Gulbarga Districts, where the supply of water for irrigation may turn out the fertile lands into a rich grainery in this part of the country. Any postponement in taking up this Project, will only mean taking up this Project at a later date at a much higher cost. It would therefore be very much desirable that the Project which starts is taken up at the earliest to avoid paying a heavy cost at a later date and also with a view to achieve the much required self-sufficiency in the food at the earliest.

p.t.o.

besides giving relief to the distressed condition of the people affected by chronic scarcity

* already from own available resources of the State is experiencing the special assistance of the central govt.

In this regards I am to point to out that the Govt. of India have been assisting the Nagarjunasagar Project by providing special assistance to that Project in the form of a long period loans and it has been reported in the Press very recently that a further financial assistance to the extent of four crores has been granted to the Govt. of Andhra Pradesh, to meet the expenditure on the Nagarjunasagar Project during 1966-67. I am sure if similar assistance is provided to the Upper-Krishna Project also, it may go a long way in achieving self-sufficiency in our food requirements.

Yours sincerely,

(Chief Minister)

Smt. Indira Gandhi,
Prime Minister of India,
New Delhi.

Phones :
Office 23478 — Residence 26920

Grams :
"MYCONGRESS"

91

MYSORE PRADESH CONGRESS COMMITTEE

Post Box No. 1932
RACE COURSE ROAD, BANGALORE-9

Dr. K. NAGAPPA ALVA
President

Ref. No. ...

Date 6th Oct. 1967.

5131

My dear Chief Minister,

Sub:- Irrigation Projects and Irrigation Facilities - Resolution passed by the General Body meeting of the Mysore Pradesh Congress Committee.

The General Body of the Mysore Pradesh Congress Committee at its meeting held on 24-9-1967 considered the necessity of expanding major and minor irrigation facilities in Mysore State with a view to increasing the production of food and other agriculture produce, and has passed a resolution, a copy of which is enclosed herewith for your kind perusal and necessary action.

I earnestly request you to move the Government of India to provide full financial assistance as requested in the resolution to help implement this much-needed project.

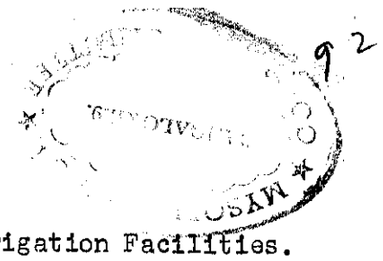
With kind regards,

Yours sincerely,

K.N. Alva

(K. Nagappa Alva)

Shri S. Nijalingappa,
Chief Minister to the Govt. of Mysore,
Vidhana Soudha, Bangalore.



92

RESOLUTION on:

Irrigation Projects and Irrigation Facilities.

****

While taking into consideration the fact that more than sixty per cent of the area of Mysore State suffers from scarcity conditions and frequently faces very near famine conditions and barely eight per cent of the cultivable area is irrigated with the result that there is a dire necessity of utilising all possible methods of irrigation including large irrigation schemes which the Government has taken up, realising that by experience the tapping of underground water through irrigation and tube wells holds out promise of increasing the area under irrigation and appreciating the measures undertaken by Government so far to increase the number of irrigation wells, supply pump sets and provide financial assistance to the agriculturists by way of loans, the Mysore Pradesh Congress Committee feels that there is greater necessity to expedite this programme by giving more encouragement to these irrigation and tube wells and urges upon the people to co-operate in this attempt and avail themselves of the facilities and assistance extended by Government. The Committee takes this opportunity to urge the Government of India to give full financial aid outside the plan ceiling to Mysore for the construction of Upper Krishna Project which is the largest project in the State irrigating large areas in Bijapur, Gulbarga and Raichur Districts.

Phones :
Office 23470 — Residence 26920

Grams :
"MYCONGRESS"

93

MYSORE PRADESH CONGRESS COMMITTEE

Post Box No. 1932
RACE COURSE ROAD, BANGALORE-9

Ref. No. Gen/[illegible]

Dr. K. NAGAPPA ALVA
President

Date 6th Oct. 1967.

Respected Shrimati Indira Gandhi,

Subs:- Irrigation Projects and Irrigation Facilities - Resolution passed by the General Body meeting of the Mysore Pradesh Congress Committee.

The General Body of the Mysore Pradesh Congress Committee at its meeting held on 24-9-1967 at Bangalore considered the necessity of expanding major and minor irrigation facilities in Mysore State with a view to increasing the production of food and other agricultural produce, and has passed a resolution, a copy of which is enclosed herewith for your kind perusal and necessary action.

The resolution, among other things, urges upon the Government of India to give full financial aid outside plan ceiling to Mysore for the construction of the Upper Krishna Project which is the largest project in the State meant to irrigate large areas in Bijapur, Gulbarga and Raichur Districts which have been experiencing near famine conditions frequently.

I earnestly request you to provide full financial assistance as requested in the resolution to help implement this much-needed project.

With kind regards,

Yours sincerely,

K. N. Alva

(K. Nagappa Alva)

Shrimati Indira Gandhi,
Prime Minister of India,
New Delhi.

Copy to Shri S. Nijalingappa, Chief Minister to the Government of Mysore, Bangalore.

Phones :
Office 23952 — 23478

94

Grams :
"MYCONGRESS"

MYSORE PRADESH CONGRESS COMMITTEE

Post Box No. 1932
RACE COURSE ROAD, BANGALORE-9

Ref. No. G.B./129/67.

Date 6th Oct. 7 196

Respected President Sri Kamaraj,

Sub:- Irrigation Projects and Irrigation Facilities
Resolution passed by the General Body meeting
of the Mysore Pradesh Congress Committee.

The General Body of the Mysore Pradesh Congress Committee at its meeting held on 24-9-1967 at Bangalore considered the necessity of expanding major and minor irrigation facilities in Mysore State with a view to increasing the production of food and other agricultural produce, and has passed a resolution, a copy of which is enclosed herewith for your kind perusal and necessary action.

The resolution, among other things, urges upon the Government of India to give full financial aid outside plan ceiling to Mysore for the construction of the Upper Krishna Project which is the largest project in the State meant to irrigate large areas in Bijapur, Gulbarga and Raichur Districts which have been experiencing near famine conditions frequently.

I earnestly request you to move the Government of India to provide full financial assistance as requested in the resolution to help implement this much-needed project.

With kind regards,

Yours sincerely,

K.N. Alva

(K. Nagappa Alva)
President.

Sri K. Kamaraj,
President,
All-India Congress Committee,
New Delhi.

Copy to Shri S. Nijalingappa, Chief Minister to the Government of Mysore, Bangalore.

Phones :
Office 23478 — Residence 26920

Grams :
"MYCONGRESS"

9

MYSORE PRADESH CONGRESS COMMITTEE

Post Box No. 1932
RACE COURSE ROAD, BANGALORE-9

Ref. No. G.D/1279/67.

Dr. K. NAGAPPA ALVA
President

Date 6th Oct. 1967

Dear Dr.K.L.Rao,

Sub:- Irrigation Projects and Irrigation Facilities - Resolution passed by the General Body meeting of the Mysore Pradesh Congress Committee.

The General Body of the Mysore Pradesh Congress Committee,at its meeting held on 24-9-1967 at Bangalore, considered the necessity of expanding major and minor irrigation facilities in Mysore State with a view to increasing the production of food and other agricultural produce, and has passed a resolution, a copy of which is enclosed herewith for your kind perusal and necessary action.

The resolution, among other things, urges upon the Government of India to give full financial aid outside plan ceiling to Mysore for the construction of the Upper Krishna Project which is the largest project in the State meant to irrigate large areas in Bijapur, Gulbarga and Raichur Districts which have been experiencing near famine condition frequently.

I earnestly request you to make available full financial assistance as requested in the resolution to help implement this much-needed project.

With kind personal regards,

Yours sincerely,

K. Nagappa Alva

(K. Nagappa Alva)
President.

Dr. K.L. Rao,
Minister for Irrigation & Power,
Government of India,
New Delhi.

Copy to Sri S. Nijalingappa, Chief Minister to the Government of Mysore, Bangalore.

PWD 5 [illegible] 96

To

The Secy, Union Min of Irrigation
And Power.

New Delhi,

Sub:- As at P46 C/F

I am directed to refer to this Govt letter of even no dated 20.5.66 on the above subject and to request you kindly to communicate the orders of H.O.I. in the matter urgently.

Yours faithfully,

[illegible]

US(I)

[illegible]

23/11

97

PWD 5 GUK 65.

28 Nov, 67

The
Public Works Department, Bangalore.

The Secretary,
Union Ministry of Irrigation and Power,
NEW DELHI.

Sir,

Sub:- Speedy execution of Upper Krishna Project - Central Assistance.

- :0: -

I am directed to refer to this Government letter of even number dated 20-5-1966 on the above subject and to request you kindly to communicate the orders of Government of India in the matter urgently.

Yours faithfully,

(S.K.Mohan)
Under Secretary to Government,
Public Works Department(Tech).

ISSUED 28.11.67

krs.27/2.

3462

No.DW.II-10(8)/63
GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION & POWER

New Delhi, the 26th December, 1967.

The Secretary to the Govt. of Mysore,
Public Works Department,
Bangalore.

Subject: Speedy execution of Upper Krishna Project - Central assistance:-

....

Sir,

I am directed to refer to your letter No.PWD5 GUK 65 dated 28.11.67 on the above subject and to state that the matter is still under consideration. A further communication will follow in due course.

Yours faithfully,

AUTHORISED FOR ISSUE

Sd/- B.B. Das
Section Officer.

Section Officer.

BR/23

EXPRESS ~~TELEGRAM~~

CHIEF ENGINEER
IRRIGATION (NORTH)
DHARWAR

- -

MR JOHN LEWIS MINISTER DIRECTOR AID DISCUSSING WITH THE MINISTER ON ELEVENTH REGARDING FINANCIAL ASSISTANCE FOR UPPER KRISHNA PROJECT (.) KINDLY ATTEND THE MEETING (.)

WORKSEC

- -

(Not to be telegraphed)

Chandappa 5/1/68

(Chandappa Patel)
Secretary to Government,
Public Works and Elec. Dept.

Issued
hdt
5/1/68.

Gr 2 Section
PM 6/1/68. - 5/1/68.

EXPRESS — TELEGRAM

CHIEF ENGINEER
IRRIGATION (NORTH)
DHARWAR

MR JOHN LEWIS MINISTER DIRECTOR AID DISCUSSING WITH THE MINISTER ON ELEVENTH REGARDING FINANCIAL ASSISTANCE FOR UPPER KRISHNA PROJECT (.) KINDLY ATTEND THE MEETING (.)

WORKSEC

(Not to be telegraphed)

Sd/-..
(Chandappa Patel)
Secretary to Government,
Public Works and Elec. Dept.

Post copy in confirmation is forwarded to the Chief Engineer, Irrigation (North) for information

M Channappa 6/1/60

By Secretary to Government,
P.W. & E.Dep (Jurisdiction)

UPPER-KRISHNA PROJECT

The river Krishna rises in the Western Ghats in Maharastra State where the rain fall is of the order of 200 to 300 inches and flows in the districts of Belgaum, Bijapur, Raichur and Gulbarga of the Mysore State for a length of 300 miles before entering Andhra Pradesh. Most of the region (about 10 million acres) through which it passes in Mysore State is frequently famine stricken, which comprises of the districts of Bijapur, Gulbarga and Raichur where the rainfall is scanty and ill-distributed, the annual average being 20 inches. The famine has occurred at an average once in every three years in some portion or other of these districts rendering the agriculturists helpless and sometimes forcing them to migrate elsewhere in search of food and labour. The State Government have had to spend large sums on famine relief works with a view to provide employment. // The mighty river Krishna carries huge quantities of water during the monsoon, but these waters are not available to the needy areas lying on both the banks of the river which are bestowed with rich and fertile soils best suited for irrigation. 40% of the area can be brought under heavy irrigation, 50% under light irrigation, if irrigation facilities are made available. The population (about 2.5 million) of the region being mainly depend upon agriculture, The only way for economic development of the region is to provide large scale irrigation facilities. In the circumstances, the Upper Krishna Project was conceived, investigated and approved by the Government.

The Upper-Krishna Project envisages the construction of ~~two Dams,~~ one at Almatti and the other at Narayanapur about 20 miles below the Almatti site, with a Canal taking off from the Left Bank of Almatti and two Canals taking off on both Left and Right Banks of Narayanapur to irrigate 21 lakh acres in Bijapur, Gulbarga and Raichur Districts. The intensity of irrigation in the command would be of the order of 60 to 75 per cent of the gross command in view of the flat topography of the lands. Lift irrigation has also been provided in the scheme on the fore-shore of the reservoirs and in some reaches of the canals where the lands are not commandable by canals. The preliminary estimate indicates that the total cost of the entire project would be about Rs.150 crores, which will work out to Rs.714/- per acre of irrigated area.

The ~~Upper Krishna~~ Project being a major scheme would offer confer vast benefits, direct and indirect, to the people of the region. With the assured supply of water to 21.00 lakh acres, food production will increase by 2 million tons per annum. The project will also be instrumental to the agro-industrial growth in the region which in turn would provide vast potential of employment, and thus save investments by the State Government on famine-relief works.

During the last 15 years, the State Government have undertaken the construction of about ~~26~~ 36 projects which are estimated to cost Rs.286.3 crores, of which 200.4 an amount of Rs.69 crores will be required for the first stage of the Upper Krishna Project, which has been designed for development in stages. In view of the financial stringency it has not been possible for the State Government to provide adequate funds for all the irrigation works. The amount available viz., Rs. 50 ~~lakhs~~ crores would be required for some of the

schemes which are fairly in the advanced stages. The Upper-Krishna Project being in the initial stages will not get priority from the limited resources made available for irrigation. This project which is expected to usher in prosperity to the famine stricken region of the State is Therefore not making any headway languishing for want of funds. If adequate funds are made available, it will be possible to complete the first stage of the project in the course next 4 years and thus relieve at least partially the effects of famine occuring frequently in the region.

Copy of D.O.letter dated 29.12.1967 of Shri. Morarji Desai, Deputy Prime Minister of India, addressed to the Chief Minister of Mysore, Bangalore.

-:o:-

Please refer to your D.O.letter No.CMI-1537/68 dated the 13th December, 1967 regarding concurrence of the Government of India in the proposal to take up Upper Krishna Project and two medium irrigation projects.

2. I understand that, in spite of the Central assistance for the next year being Rs.36.90 crores as against Rs.36 cores for the current year, the total size of the Mysore State Plan is likely to be smaller by about Rs.8-9 cores on account of diminution in the State's own resources. In the context of the constraint of resources, first priority has to be given to continuing schemes which are likely to be completed within the next year or two and there does not appear to be room for making any provision for new schemes. In fact, even where the State has made just a beginning, it may be necessary to bring the schemes to a safe stage with the minimum expenditure and then call a halt unless funds are available.

3. While the state has not got funds to provide adequately even for continuing important schemes like Ghataprabha Stage II andMalaprabha, it will obviously be inadvisable to diffuse any available resources in fresh schemes entailing (as in the case of the Krishna Project) very large expenditure.

Sd/-

-:copy:-

31/1/68

Chand;

PWD & Housing.

To

The Secy, Union Ministry of Irrigation & Power

New Delhi.

Sir

Sub:- As at Page 1.

I am directed to refer to the Correspondence resting with your office letter No DW.II-10(8)/63 dated 26.12.67 on the above subject and to request you kindly to communicate the orders of M.O.I on the matter urgently.

Yours faithfully

LO(I)

21/3

PWD 5 GUK 65

The
P.W & E.Deptt.

The Secretary,
Union Ministry of Irrigation & Power,
NEW DELHI.

Sir,

Sub:-Speedy execution of Upper Krishna Project- Central assistance.

I am directed to refer to the correspondence resting with your Office letter No.IW-II-10-(8)/63 dated 26-12-67 on the above subject, and to request you kindly to communicate the orders of Govt.of India, in the matter urgently.

Yours faithfully,

(S.K.Mohan)
Under Secretary to Government,
Public Works & Electricity Deptt.

Dated 25/3/68

vk/23/-

Copy of letter dated October 7, 1968, from Mr. Basil G. Kavalsky, Residential Representative in India of International Bank for Reconstruction and Development, No.7, Sardar Patel Marg., New Delhi, to Mr. Veeraraja Urs, Finance Secretary, Government of Mysore, Bangalore.

I should like to thank you and all those members of the Mysore State Administration who were so kind as to assist me with my work during the three weeks I spent in Bangalore. The experience has proved very rewarding and I hope that it will be the forerunner of further contacts between the World Bank and Mysore State. I would particularly like to thank Mr Bharat who gave me so much of his time and experience and contributed greatly to the favourable impressions with which I returned.

/ C O P Y /

Draft.

108

No. PWD 5 GVK 65.

Cal. I. 3715/68

My dear Mavji Bhai

Sub:-Speedy execution of Upper Krishna Project.

As you are aware the Government of Mysore have undertaken the construction of the Upper Krishna Project which will irrigate an area of about 19 lakh acres in the arid regions of the districts of Bijapur, Gulbarga and Raichur where scarcity conditions prevail year after year. Due to paucity of funds it has not been possible to provide adequate funds amounts ~~so as~~ to step up the progress ~~with regard to~~ on the construction of this project. The State Government has been urging that this project should be considered by the Centre as a National Project and financed by the Centre outside the plan.

In their letter No. 43(9)/66/MAT, dated 3rd September 1966, the Government of India in the Ministry of Irrigation and Power intimated that the Ghataprabha Stage-II and the Upper Krishna Project were proposed to be considered for financial assistance from the World Bank or I.D.A. The particulars of these Projects were furnished to the Government of India on 14th September 1966. But so far nothing has been heard ~~as regards~~ about financing "Upper Krishna Project".

Issued 26/11/68

Recently Mr. Basil Kavalsky, Residential Representative of World Bank was in the Mysore State to study the working of the several Departments. I do hope that he has carried some good impressio about Mysore. If you could help this State in recommending our case to World Bank for financial assistance to the Upper Krishna Project and if the assistance on reasonable terms is made available, the people of Mysore would be grateful to you and the World Bank. If by increasing irrigation facilities the State becomes surplus in food, the other States also could be helped because in our country some States or other are always affected by natural calamities like flood, droughts etc.

Yours sincerely,

Sd/-

VEERENDRA PATIL)

Shri Morarji Desai,
Deputy Prime Minister of India,
New Delhi.

CM.I.3713/68
Dt: 26th Nov. 1968

My dear Morarji Bhai,

Sub:- Speedy execution of Upper Krishna Project.

As you are aware the Government of Mysore have under taken the construction of the Upper Krishna Project which will irrigate an area of about 19 lakh acres in the arid regions of the districts of Bijapur, Gulbarga and Raichur where scarcity conditions prevail year after year. Due to paucity of funds it has not been possible to provide adequate funds to step up the progress on the construction of the project. The State Government has been urging that this project should be considered by the Centre as a National Project and financed by the Centre outside the plan.

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With kind regards,

Yours sincerely,

sd/- Veerendra Patil.

Shri Morarji Desai,
Deputy Prime Minister
of India, New Delhi.

/copy/

PRIME MINISTER'S HOUSE
NEW DELHI

CMP 11626/68
9/12

No.326-PMH/68 September 19, 1968

Dear Shri Patil,

In your letter of 2nd August, 1968, you referred to a statement made by the Chief Minister of Andhra Pradesh on the Nagarjunasagar Project and the question of Central assistance for the Nagarjunasagar and Upper Krishna projects. The sanctioned Nagarjunasagar Project envisages an irrigation of 22 lakh acres only. Central assistance is to complete this sanctioned project to provide the above irrigation benefits. The Chief Minister of Andhra Pradesh might have spoken of the State Government's intention to irrigate a much larger area but as you have pointed out, the question of Nagarjunasagar State II has to be considered in accordance with the statement made by Hafiz Sahib in the Lok Sabha on 23rd March, 1963. There is no change in this stand. Apart from this, the entire Krishna-Godavari dispute is now to be considered by the Tribunal which is to be constituted shortly.

Regarding financial assistance for the Upper Krishna project, may I invite your attention to my letter No.1653-PMO/66, dated the 21st November, 1966, to your predecessor (copy enclosed for ready reference). In view of paucity of resources, we have been concentrating more on the projects which are in an advanced stage of construction. The Upper Krishna project is still in preliminary stages of construction and an expenditure of about Rs.2 crores only had been incurred on it up to the end of March, 1968, as compared to the sacntioned estimate of Rs.58.2 crores. I may, however, assure you that the requirements of the Upper Krishna Project will be kept in view as and when more funds become available.

With best wishes,

Yours sincerely,

(Indira Gandhi)

Shri Veerendra Patil,
Chief Minister of Mysore,
Bangalore.

56257
7-10-68
(VEERENDRA PATIL)
PWD (Gl. Irrgn).
No 5383 Date

Copy of letter No. CM.I.2479/68, dated 2nd August 1968, from Shri Veerendra Patil, Chief Minister of Mysore, Bangalore, to Smt. Indira Gandhi, Prime Minister of India, New Delhi.

I enclose a press cutting from Deccan Herald dated 29th July 1968 about the statement made by Shri Brahmananda Reddy, Chief Minister or Andhra Pradesh while inaugurating Musi Aqueduct of the left bank canal of the Nagarjunasagar Dam.

According to this report, the Government of India, it seems, have released an amount of Rs.14 crores this year for this project. The Chief Minister of Andhra Pradesh is reported to have also said on the occasion that the multi-purpose Nagarjunasagar Project was an integrated project and that there was nothing like the first and the second stage. As you are aware, the Government of India have sanctioned only the first stage of the Nagarjunasagar Project which does not include the crest gates as there are no sufficient waters in the Krishna basin for the second stage of the project. As a matter of fact, the Government of India have made it clear in their statement of March 23, 1963 that the second stagecan be considered only after the investigation about the availability of surplus waters in the Godavari valley and the points at which such waters could be diverted to the Krishna valley are completed, for which the Government of India have created an elaborate machinery. (This machinery which is working under the control of the Ministry of Irrigation and Power has done very little during the last 5 years). To state that "there is nothing like first and the second stage" and that the project would be completed as has been designed under the scheme to irrigate 32 lakh acres amounts to Andhra Pradesh having no regard to the sanction of the Central Government and the legitimate interest of other States, and the protests made by them against their going ahead with the project.

The Government of Mysore and for that matter any other State Government could have no objection to the Government of India assisting financially any State Government in the implementation of its irrigation projects; but it should not, you would kindly agree, be detrimental to the irrigation interests of other concerned States. The generous financial assistance extended by the Government of India every year during the last 10 years has emboldened the Andhra Pradesh Government to go ahead with the project and complete it in its entirety including the second stage and face the States which are vitally interested in the waters of the Krishna basin, with fait accomplie.

We have been requesting the Government of India during the last 5 years for Central assistance for one of our major irrigation projects namely Upper Krishna Project which is designed to alleviate

Contd.....2/

sufferings of the people in the chronically drought affected area of the Krishna valley in the Mysore State. (This project will be adversely affected if the second stage of the Nagarjunasagar project which is to feed the areas outside the Krishna basin, mainly having plentiful rainfall, is allowed to be completed). But there has been no positive response so far from the Centre to our request. We are told on one hand that as the Upper Krishna Project is in the initial stages, large sums could not be spent on it, on the other hand generous assistance is given for the Nagarjunasagar Project which, if allowed to be completed in its entirety, would adversely affect our project and the future of the famine striken people which it would feed when completed.

May I request you once again that while Government of Mysore would welcome the Central Government assisting the Nagarjunasagar Project, the Government of India should ensure that such assistance is not mis-used in completing the project in its entirety (particularly storage dam) against the sanction given by the Government of India which would be detrimental to the irrigatio interest of the Mysore State. May I also reque that the Government of India would assist the Upper Krishna Project in Mysore State as they have done in the case of Nagarjunasagar Project. The Upper Krishna Project would serve the same purpose as that of Nagarjunasagar Project, in addition to providing succour to the famine stricken people, on which we are spending lakhs of rupees.

/ C O P Y /